

City and County of the City of Exeter.



ANNUAL REPORT

FOR 1908,

OF THE

Vital Statistics,

SANITARY WORK, &c.,

BY

EDWARD A. BRASH, L.R.C.P., LOND.,

Medical Officer of Health.

EXETER:

BURRIDGE & CANNICOTT, Printers, Musgrave Alley, High Street,
1909.

CITY & COUNTY OF THE CITY OF EXETER.

SANITARY COMMITTEE.

Mayor :

ALDERMAN JAMES GEORGE COMMINS.

Chairman :

COUNCILLOR R. M. CHALLICE.

Deputy-Chairman :

ALDERMAN HENRY GADD, J.P.

ALDERMAN	C. COLE.	COUNCILLOR	A. M. HUTCHINGS.
„	A. McCREA, J.P.	„	P. KELLAND, J.P.
„	J. PETERS.	„	F. G. MANSFIELD.
COUNCILLOR	T.W. GARNSWORTHY.	„	T. C. PRING.
„	A. H. GUEST.	„	W. S. VICKERY.

Town Clerk : H. LLOYD PARRY, Esq.

STAFF OF THE HEALTH DEPARTMENT :

Medical Officer of Health and Medical Officer of Sanatorium :—
E. A. BRASH, L.R.C.P., Lond., &c.

Assistant Medical Officers of Health and Medical Officers of Sanatorium :—

G. T. CLAPP M.B. C. J. VLIELAND, M.D.

*Matron of Isolation Hospital :—*MISS MARION JONES.

Chief Inspector of Nuisances and Inspector under the Foods and Drugs Acts :—

WILLIAM J. WREFORD, Cert. San. Inst.

Inspectors :—

R. B. PEARSE, Cert. San. Inst. S. E. FULFORD.

A. E. TROUNSON.

*Clerks :—*T. WREFORD. S. HAWKE

*House Disinfectors :—*W. RODBOURN.

*Hospital Porter :—*C. HOLLAND.

*Health Visitor :—*MISS E. WEAVER.

*Ambulance Nurse :—*MRS. J. MANLEY.



I have the honour to present to the
Right Worshipful the Mayor, Aldermen,
and Council of the City of Exeter, my
Annual Report for the Year 1908.

EDWARD A. BRASH.

February, 1909.



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Annual Report.

GENERAL OBSERVATIONS.

In presenting this my Annual Report dealing with the work carried out by the Health Department for the year 1908, I have, for the purpose of comparison, carefully followed the lines of previous Reports and the requirements of the Local Government Board.

General
Observa-
tions.

The population of Exeter at the census of 1901 was returned as 47,185, divided as follows:—Males, 21,401; females, 25,784; showing an increase since the census of 1891 of 1,419. The number of houses then was returned as 10,322, out of which 356 were void, and there were 47 houses in course of erection. Since that date 1,123 houses have been erected, making a total of 11,445. Taking this number of

houses and the estimated population of Exeter at 48,200 it gives about 4·3 persons per house, while in the census of 1901 there were five persons per house.

The surface of Exeter varies from 25·9 feet above Ordnance Datum on the Quay, to 136·5 feet at the Guildhall, 225·9 at Elmside, and 433·5 on the top of Pennsylvania. The fall from the City towards the river is very rapid.

GEOLOGICAL FORMATION.

The greater part of the ancient City and its immediate surroundings is built upon the new red sandstone—that to the north is on the carboniferous shale, a portion of St. Leonard's stands on gravel, and the eastern side on the clay. The annexed parts of St. Thomas's Parish are chiefly built on the old bed of the Exe, and the sub-soil is gravel.

The area of the City is 3,168 acres. The density of population for the City and County of the City is 15 per acre, and reckoning the portion of the City built upon at 950 acres, we have a density of population of 50 per acre.

The following Table taken from the Census Returns for

Devon, shows the population and number of houses in each Ward in the City, and also the number of houses, &c., occupied as tenements :—

TABLE

Showing Houses and Population of each Ward.

WARDS.	HOUSES.				POPULATION.		
	Inhabited.	Uninhabited. In occupation.	Uninhabited. Not in occupation.	Building.	1901.		
					Persons.	Males.	Females.
Belmont	765	9	39	7	3436	1519	1917
Cowick	700	7	25	—	3184	1524	1660
Exwick . . .	710	8	12	7	3370	1629	1741
Holy Trinity	651	13	19	—	3375	1594	1781
Rougemont	525	88	16	2	3072	1481	1591
St. David	685	30	30	2	3263	1431	1832
St. James	830	23	28	2	4003	1709	2294
St. John	589	76	24	5	3867	1874	1993
St. Leonard	624	10	33	4	3028	1176	1852
St. Matthew	714	10	16	2	3500	1643	1857
St. Paul	647	110	56	2	3408	1521	1887
St. Petrock	541	107	19	—	2899	1087	1812
St. Sidwell	866	27	21	—	3877	1819	2058
St. Thomas	592	9	18	14	2903	1394	1509

TABLE

Showing the number of Tenements of less than five rooms distinguishing those occupied by various numbers of persons at the time of the last census.

URBAN DISTRICT.	Rooms in Tenement.	Tenements of less than 5 rooms.	PERSONS PER TENEMENT.										
			1	2	3	4	5	6	7	8	9	10	11
Exeter, City of (C.B.)—													
Tenements of less than													
five rooms 3974													
	1	598	346	159	56	22	10	3	1	1			
Over five rooms . 6832	2	1062	289	366	191	97	69	30	12	8			
	3	1194	102	244	248	198	163	118	64	29	19	9	
Total 10806	4	1120	37	202	227	199	159	129	84	48	27	5	3

In estimating the population of Exeter, I have assumed, that the increase has been in the same ratio as for the ten years from 1891 to 1901, which would give it a population of 48,300, and for the purpose of these statistics I have used this figure.

VITAL STATISTICS.

The total number of Births registered in Exeter in the ^{Birth-rate.} year 1908 was 1,131, divided as follows:—571 males and 560 females.

Of this number 45 males and 33 female births were certified as illegitimate.

This gives a Birth-rate of 23·4 per 1,000, being 1·5 higher than that of last year, and 3·1 below that of England and Wales.

The Registrar-General, in his summary for 1908, gives the Birth-rate for England and Wales as 26·5 per 1,000 of the population, and for the 142 towns in which Exeter is classed as 26 per 1,000.

The total number of Deaths registered in Exeter during ^{Death-rate.} the year 1908 was 804, giving a crude Death-rate of 16·6 per 1,000. From these deaths, however, we should deduct 73 of non-residents dying in Public Institutions in the district, and add the deaths of 21 persons who died in Public Institutions beyond the district, giving a net Death-rate of 15·5 per 1,000.

The Public Institutions within the district are the Royal

Devon and Exeter Hospital, the City and St. Thomas Workhouses, the Eye Infirmary, and the Home Hospital.

The Public Institutions outside the district are the City Asylum, and the Sanatorium or Fever Hospital.

CORRECTED DEATH-RATE.

Corrected
Death-rate.

In order that the Death-rate of various places can be fairly compared, it is essential to know whether the respective populations are made up of sexes in the same proportion, and whether they contain the same proportion of persons in the various age groups.

To correct a Death-rate for age and sex distribution the Registrar-General has published Tables giving factors by which the Death-rate has to be multiplied. For Exeter the factor is $\cdot 9,526$, and this being applied, gives a Death-rate corrected for age and sex distribution of $14\cdot 5$ per 1,000.

AGES OF MORTALITY.

The following Table shows the number of Deaths (distinguishing males and females) at different age periods :—

	Males.	Females.	Totals.
Under 1 year			
0—3 months	42	26	68
3—6 ,, 	20	14	34
6—12 ,, 	25	16	41
Totals under 1 year	87	56	143
Over 1 year and under 2 years ..	13	14	27
,, 2 ,, 3 ,, ..	8	12	20
,, 3 ,, 4 ,, ..	5	2	7
,, 4 ,, 5 ,, ..	3	1	4
Totals 1 to 5 years	29	29	58
Over 5 and under 10 years ..	9	9	18
,, 10 ,, 15 ,, ..	8	5	13
,, 15 ,, 25 ,, ..	21	18	39
,, 25 ,, 35 ,, ..	29	19	48
,, 35 ,, 45 ,, ..	34	17	51
,, 45 ,, 55 ,, ..	43	41	84
,, 55 ,, 65 ,, ..	53	53	106
,, 65 ,, 75 ,, ..	56	64	120
,, 75 ,, 85 ,, ..	37	69	106
,, 85 	17	22	39
Totals at ages over 5 years ..	307	317	624
Totals at all ages	423	402	925

Included in the above are deaths of residents of the City occurring at the Sanatorium and Digby's Asylum.

The corrected Death-rate for England and Wales is given for the year 1908 as 14·7 per 1,000.

The corrected Death-rate for the 76 Great Towns was 15·8 per 1,000, and in the 142 Towns in which Exeter is classed it was 14·7 per 1,000.

The corrected Death-rate for England and Wales less the 218 Towns was 13·8 per 1,000.

The corrected Death-rate for Exeter is 1 per 1,000 below the 76 Great Towns, and is practically the same as that for the 142 Towns in which Exeter is included, and ·9 per 1,000 above that for England and Wales less the 218 Towns.

INFANTILE MORTALITY.

Deaths
under
1 year, 143.

143 deaths occurred to children under one year of age.
They may be classed as follows :—

Debility from Birth	...	...	29
Bronchitis	...	...	16
Pneumonia	...	...	16
Premature Birth	...	...	15
Whooping Cough	...	..	15
Convulsions	...	...	14
Suffocation	...	..	6

Diarrhœa	...	...	5
Enteritis	...	...	5
Congenital Defects	...	...	3
Diseases of Stomach	...	...	2
Meningitis	...	...	2
Phthisis	.	...	1
Syphilis	...	...	1
Rickets	...	...	1
Other Causes	...	...	12
			—
			143
			—

The Death-rate for Infants in England and Wales was Infantile Mortality. 121 per 1,000 births, in the 76 Great Towns it was 128 per 1,000 births, and in the 142 Towns in which Exeter is included it was 124 per 1,000 births, and in England and Wales less the 218 Towns, it was 110 per 1,000 births.

The Death-rate for Infants in Exeter was 126 per 1,000 births.

The following Table shows the Ratio of Deaths under 1 year per 1,000 births for year 1908, compared with the seven years 1901 to 1907 :—

1901	1902	1903	1904	1905	1906	1907	Average for the seven years 1901-1907	1908
155	167	131	166	124·5	129	134	143·7	126·4

The Infantile Death-rate has decreased from 143 per 1,000 births, which was the average for the 7 years from 1900 to 1907, to 126 per 1,000 births for the present year.

This decrease in my opinion is attributable to the good work done by the Health Visitor, and the members of the Babies' Welcome Club.

From result of enquiries by the Health Visitor I find that the mortality among hand-fed infants is 10 per cent., as compared with 5 per cent. of breast-fed infants.

Deaths in Public Institutions :—

The Royal Devon and Exeter Hospital	99
The City and St. Thomas Workhouse...	54
The Home Hospital (Non-Residents) ...	2
City Asylum { Residents of }	... 19
Exeter Sanatorium { City only }	... 2
<hr/>	
	176
<hr/>	

By agreement with the Registrar-General five-sevenths of the deaths (71) which occurred in the Royal Devon and Exeter Hospital are deducted for non-residents.

*List of Cases in which an Inquest was held :—**Accidents :*

By Suffocation	6
By Burns and Scalds	6
By Injuries received and Shocks produced by Slipping, Falling out of Window, Falling Downstairs, &c. ...	7
By being Drowned	3
By being Caught in Machinery whilst putting a belt on a wheel ...	1
By being Knocked down by the wheel of a cart and sustaining a Fractured Spine	1
By being Run over by a Railway Train	1

Misadventure :—

By Administration of Chloroform for purposes of Operations	...	2
By Poisoning	...	1

Suicides :—

By Hanging	...	3
By Throat Cut	...	3
By Drowning	...	3
By Poisoning	...	1

Other Causes :—

Diseases of Heart	...	21
Convulsions	...	5
Diseases of Brain	...	4
Pneumonia	...	3
Bronchitis	...	1
Pleurisy	...	1
Other Diseases of Respiratory System	...	2
Tuberculosis	...	2
Obstructive Disease of Intestine	...	1
Appendicitis	...	1
Disease of Stomach	...	1
Bright's Disease	...	1
Chronic Alcoholism	...	1
Cirrhosis of Liver	...	1

Rupture of Blood Vessels ...	...	1
Whooping Cough ...	...	1
Premature Birth, want of Nutrition ...	...	1
Want of Vitality at Birth ...	...	1
		—
		87
		==

The Registrar-General gives the Death-rate among persons aged 60 years and upwards for the year 1908 as 57·9 per 1,000 of the estimated population at that group of ages.

The Death-rate in Exeter of persons in the same group of age was 68·8 per 1,000.

The Death-rate for the last ten years in Exeter and the 76 Great Towns was:—

THE FOLLOWING TABLES

Will show the comparative Rates for each Month or Year:—

CITY OF EXETER

Month.	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Jan.	16·84	21·97	17·4	16·5	19 0	24·4	19·26	17·58	20 4	17·76
Feb.	16·4	26·5	21·63	21 46	18·5	19·2	16·24	14·56	20·0	17·72
Mar.	16·8	17 92	23·67	19·6	16·75	16·7	15·12	17·5	22 2	22·03
April	14·26	19·55	17·2	15·44	15 30	17·2	12·53	14·4	18·0	18 67
May	19·1	15·7	16·98	15·0	12 70	13·2	13·65	12·8	23·6	14·9
June	14·55	15·44	13·0	15 25	12 40	14 6	11·52	10·73	12 21	10·72
July	14·26	14·81	14·08	14·45	13·50	14·9	12·2	11·66	11·62	10·06
Aug.	23·11	15·97	19·4	14·7	14·00	13·9	14·28	13·06	9·88	13·08
Sept.	16·65	14·84	10·34	13 7	13·20	10·7	10·68	14·66	15·15	14·12
Oct.	19·55	15·4	13·27	14·8	13·20	13·4	13·55	14·0	15 72	14·22
Nov.	20·3	18·34	14·3	15·73	15·00	11·8	15 81	13·58	11 91	17·85
Dec.	39·0	8·44	17·2	29·2	15·80	20·7	17·86	14·3	11·80	15·46

Death rate
Statistics.

The Death-rate per 1,000 for each year being—

19·13 17·9 16·4 16·5 15·3 16·8 14·4 14·0 15·4 15·57

IN THE 76 GREAT TOWNS.

Death-rate
Statistics.

Month	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Jan.	18·15	25·12	18·1	18·34	18·25	19·2	18·5	16·3	19·8	18·58
Feb.	20·38	23·5	20·5	22·72	17·1	17·9	17·1	16·8	19·4	18·16
Mar.	22·66	20·98	19·1	18·97	16·8	18·9	16·3	16·4	17·6	17·5
April	19·30	21·72	18·67	17·57	15·37	17·1	16·1	17·0	16·9	15·7
May	16·95	18·5	16·71	16·86	16·0	15·5	14·8	14·8	15·2	13·3
June	16·52	16·5	14·87	13·15	14·20	13·8	13·1	12·8	13·0	11·7
July	18·0	16·47	17·45	10·10	13·75	14·4	13·2	12·1	12·16	11·66
Aug.	25·28	20·36	21·68	13·40	15·40	21·3	17·0	16·4	11·75	14·9
Sept.	22·3	18·19	17·8	16·87	13·7	16·8	14·5	20·25	13·15	13·84
Oct.	19·4	17·32	16·5	17·20	15·80	15·3	14·3	15·28	15·30	13·9
Nov.	18·46	17·54	10·17	17·65	17·20	17·2	16·4	15·6	15·3	15·52
Dec	25·2	16·87	19·6	18·32	18·32	19·8	17·1	18·0	15·9	15·48

The Death-rate per 1,000 for each year being—

20·21 19·5 18·6 17·40 16·3 17·2 15·7 15·9 15·4 15·8

The Table for 1899 to 1901 is for the 33 Great Towns and for 1902 to 1908 for the 76 Great Towns.

The Deaths in Exeter due to the Notifiable Zymotic Diseases were :—

Notifiable
Zymotic
Deaths.

Small Pox.	Diphtheria.	Membranous Croup.	Scarlet Fever.	Typhoid Fever.	Puerperal.	Erysipelas.	Total.
0	3	0	1	0	2	1	7

Of these 1 case of Diphtheria and 1 case of Scarlet Fever died at the Sanatorium.

The Deaths from Non-Notifiable Diseases were :—

Non-
Notifiable
Zymotic
Deaths.

Measles.	Whooping Cough.	Diarrhœa.	Total.
1	33	9	43

Giving the Death-rate for Notifiable Zymotic Diseases at ·14 per 1 000, and the Non-Notifiable Diseases at ·89 per 1,000.

The Death-rate from the seven commoner Zymotic Diseases in England and Wales for 1908 was 1·29 per 1,000; in the 76 Great Towns it was 1·59 per 1,000; in the 142 Smaller Towns it was 1·26 per 1,000; and in England and Wales less the 218 Towns, it was ·99 per 1,000.

The Death-rate in Exeter was ·97 per 1,000.

During the past year there has been a considerable decrease in the number of Deaths from the Zymotic Diseases.

The following Table shows the Annual Birth-rate per 1,000 and Death-rate per 1,000 for all causes from the several Zymotic Diseases during the year 1908:—

ANNUAL RATE PER 1,000 LIVING.												
COLS.	Birth-rate.	Death-rate		Principal Epidemic Diseases Cols. 5-11.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.	Diarrhoea.	Deaths under 1 year per 1,000 Births.
		Crude.	Corrected.									
1	2	3	4	5	6	7	8	9	10	11	12	
England & Wales..	26·5	14·7	14·7	1·29	0·00	0·22	0·08	0·15	0·27	0·07	0·50	121
76 Great Towns ..	27·0	14·9	15·8	1·59	0·00	0·31	0·10	0·16	0·29	0·08	0·65	128
142 Smaller Towns.	26·0	14·0	14·7	1·26	—	0·20	0·06	0·15	0·25	0·08	0·52	124
England & Wales } Less the 218 Towns }	26·2	14·7	13·8	0·99	0·00	0·13	0·06	0·15	0·25	0·07	0·33	110
Exeter	23·4	15·57	14·8	0·97	—	·021	·021	·062	0·68	—	0·19	126

DISEASE INCIDENTS.

Notifiable Diseases.

SMALLPOX.

I am glad to be able to report that no case of Smallpox occurred in Exeter during 1908.

TABLE

Showing the actual number of cases of Smallpox notified
for ten years and mortality for same :—

Year.	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total.
Cases Notified	1	0	2	6	0	0	3	0	0	0	12
Deaths	0	0	0	1	0	0	0	0	0	0	1

DIPHTHERIA.

The number of cases of this disease notified was 29, Diphtheria.
of whom 14 were males and 15 females.

Of these 28 were examined bacteriologically, 20 were confirmed, and 8 not confirmed.

Nineteen were removed to the Sanatorium, 18 of whom were discharged cured, and 1 died.

Seven of these cases occurred in Public Institutions, 6 of them being notified from one Institution. Every endeavour was made to find the cause of this outbreak, but without any definite result. The other case was brought into the City from outside.

Seventeen bacteriological examinations were made from suspicious throats, in 2 cases Hoffman's Pseudo—diphtheria was found, and in the others the results were negatived.

Diphtheria Antitoxin was supplied free of cost on application at the Health Office for cases of diphtheria, as well as for prophylactic purposes. This arrangement was much appreciated.

TABLE

Showing the number of cases of Diphtheria notified and mortality from same for the past ten years :—

Year.	1899.	1900.	1901.	1902.	1903	1904.	1905.	1906.	1907.	1908.	Total
Cases Notified	10	20	40	32	17	37	14	12	12	29	223
Deaths	2	8	6	8	3	5	3	4	1	3	43

SCARLET FEVER.

Scarlet
Fever

During the past year 69 cases of Scarlet Fever have been notified, which is the same number as was notified in 1907, which was the lowest since 1900.

The majority of these cases were again of a mild type, and only one death was registered as due to this disease.

TABLE

Showing the number of cases of Scarlet Fever and mortality from the same for the past ten years:—

Year.	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total.
Cases Notified	98	65	533	338	321	88	70	139	69	69	1790
Deaths.	2	1	10	13	6	2	1	1	3	1	40

TYPHOID FEVER.

Seventeen cases of this disease were notified, 6 males ^{Typhoid} ^{Fever.} and 11 females, none of which ended fatally; 16 of these cases were removed to the Sanatorium. Of the 17 cases notified 12 were examined by the Widal's Test; in 11, positive reaction was obtained, and in one, only partial reaction. Examinations were made by this Test in 4 other cases, but no reaction was obtained.

The number of cases notified is the lowest for the past ten years, and the only year in which no death has occurred from this disease. Six of these patients had partaken of shell fish taken from the Estuary of the Exe within an average of 22 days before the disease was notified. In all suspected cases of Typhoid Fever, an examination of the blood is made free of cost

TABLE

Showing the number of cases of Typhoid Fever and the mortality for the same for the past ten years.

Year.	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total.
Cases Notified	186	91	41	33	31	30	20	37	18	17	504
Deaths	18	15	6	3	1	5	3	7	3	—	61

CONTINUED FEVER.

Continued
Fever.

No case of this disease was notified.

TYPHUS FEVER.

Typhus
Fever

No case of this disease was notified during the year.

PUERPERAL FEVER.

Puerperal
Fever.

Four cases of this disease were notified, of which two ended fatally.

ERYSIPELAS.

Erysipelas.

Twenty-three cases of this disease were notified, one of which ended fatally.

CHICKEN-POX.

Chicken
Pox.

During the year 56 cases have been notified, none of which ended fatally.

MEMBRANOUS CROUP.

Membr'nous
Croup.

No case of this disease has been notified.

Don-Notifiable Diseases.

MEASLES.

As there was only one death from this disease during Measles.
the year, we may conclude there were very few cases.

TABLE

Showing the number of deaths from Measles for the
past ten years.

Year.	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total.
Deaths.	2	12	2	17	36	0	9	0	68	1	147

WHOOPING COUGH.

Whooping
Cough.

During the past year there has been an epidemic of Whooping Cough, 33 deaths being registered as due to bronchial affections complicating that disease.

DIARRHŒA.

Diarrhœa.

The number of deaths from this disease is again less than that of previous years, being 8, as compared with 11 in 1907. In the early part of the year I caused printed leaflets dealing with this disease to be freely distributed in those neighbourhoods in which deaths from this disease usually occur. I think this may have had some effect on the mortality.

The number of deaths from this disease was divided as follows :—

Under one year ...	...	...	4
Between 1 and 5 years	...	...	1
Between 25 and 35 years ..		...	1
Between 65 and 75 years ...		...	1
75 years and upwards	...	...	1

TUBERCULOSIS.

The number of deaths registered during the past year ^{Tuber-}
from the various forms of Tuberculosis was 93, divided as ^{culosis.}
follows :—64 from Phthisis, 7 from Tubercular Meningitis,
and 22 from other forms of Tuberculosis.

The voluntary notification of Phthisis, as far as the City is concerned, has again been a complete failure, not a single case having been notified, although the Council offers to pay the usual fee for notification.

Arrangements have been made whereby the sputum from any suspected cases will be examined free of cost, and a report sent to the medical practitioner in attendance. I am glad to be able to say that this has been much appreciated and made considerable use of.

We have again endeavoured to deal with this disease, and whenever we have known of cases amongst the poorer classes, the Health Visitor has been instructed to visit and advise the best methods of preventing the spread of infection.

We have again this year supplied disinfectants and disinfected free of cost to all who applied, and in 53 cases

I was able to induce the occupiers of houses to have the premises disinfected where this disease had taken place.

The Death-rate from Phthisis for the past year was 1·32 per 1,000. This Death-rate is the same as the average for the past seven years.

The deaths from this disease in all its forms in Exeter is shown in the following Table :—

TABLE

Showing the Deaths from the following diseases for the past ten years :—

Disease.	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Phthisis.	72	56	66	74	67	57	48	60	58	64
Other Forms of Tuberculosis.	11	20	14	19	19	17	21	15	15	21
Tubercular Meningitis.	8	10	10	12	4	9	9	5	10	7
Tabes Mesenterica	0	2	5	1	1	0	0	0	0	1
Total ..	91	88	95	106	91	83	78	80	83	93

NOTE :—In the above Table it must be noticed that before the year 1900 the population of Exeter was 37,717 ; since 1900, when St. Thomas was annexed, the population was increased to 47,400.

Deaths from Phthisis classified according to Locality and Sex
for 1908.

LOCALITY.	M.	F.	TOTAL.	LOCALITY.	M.	F.	TOTAL.
Alphington Street ..	..	1	1	Brought Forward	16	15	31
Bartholomew St. W	2	..	2	Mowbray Avenue ..	1	1	2
Blackboy Road .	1	..	1	Northernhay Street .	1	..	1
Bloomtree Terrace.	..	1	1	Okehampton Street .	1	1	2
Bystock Terrace ..	1	..	1	Oxford Road ..	..	1	1
Cheeke Street ..	..	2	2	Oxford Street ..	..	1	1
Church Road ..	..	1	1	Pancras Lane ..	1	..	1
Coombe Street ..	1	1	2	Paris Street ..	2	1	3
Colleton Row ..	1	..	1	Paul Street ..	1	..	1
Coleridge Road ..	..	1	1	Portland Street ..	1	1	2
Clifton Road ..	..	2	2	Powderham Crescent ..	..	1	1
Clifton Street ..	1	..	1	Princess Street, N. .	1	..	1
Cowick Street ..	..	1	1	Russell Street ..	1	..	1
Cowley Road ..	1	..	1	Salisbury Road ..	1	..	1
Dean Street ..	1	..	1	St. Sidwell Terrace .	1	..	1
Diamond Road .	1	..	1	South Street ..	..	1	1
East John Street ..	2	1	3	Springfield Road .	1	..	1
Exe Street ..	1	..	1	Stepcote Hill ..	..	1	1
Friernhay Street .	..	1	1	St. Leonard's Terrace	..	1	1
Iddesleigh Road ..	1	..	1	Verney Place ..	1	..	1
James Street ..	..	1	1	Victoria Street ..	1	..	1
Jubilee Street ..	1	..	1	West Street ..	..	1	1
King Street ..	..	1	1	Well Street ..	1	1	2
Lower North Street .	1	..	1	City Workhouse ..	3	1	4
Manor Road ..	..	1	1	Digby's Asylum ..	1	..	1
Carried Forward	16	15	31	Grand Total ..	36	28	64

CANCER.

Cancer.

The deaths from this disease were 66, which is the highest for the past ten years. This increase is doubtless due to a better diagnosis and knowledge of the disease.

TABLE

Of Deaths from Cancer for the past ten years :—

1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
38	36	33	50	60	56	44	51	41	66

SUMMARY OF INFECTIOUS DISEASES AND
ACTION TAKEN.

In reviewing the cases of Infectious Diseases dealt with in 1908, I am pleased to state that the zymotic-rate from the notifiable diseases is again below the average. The number of cases of Typhoid Fever is the lowest on record, being one case less than last year, the attack-rate being .3 per 1,000 of the population, and there were no deaths from this disease. The cases were of a less virulent type than that of previous years.

There has been an increase in the number of cases of Diphtheria, 29 cases being notified during the year; this is slightly above the average for the past seven years, the attack-rate being $\cdot 6$ per 1,000 of the population, and the death-rate being $\cdot 06$ per 1,000.

The action taken to prevent the spread of infectious diseases has been the same as that of former years. This action consists of the prompt removal of all cases where the necessary isolation could not be provided at home, careful enquiries into the causes of each case, and the excluding of all children from school from infected houses, by advice notices to occupiers of infected premises, and by advising schools, librarians, and the Clerk to the School Board. Again during the past year, with the sanction of the Education Committee, we have had a list of all children absent from schools on account of illness, or supposed illness, sent to us every week, and they are visited by the Health Visitors. These means have again enabled us to detect cases of infectious disease which might otherwise have escaped notice, and the fact of the parents knowing that the children would be visited has conduced to a medical man being called in earlier than he otherwise would have been, and for this reason I

am pleased to acknowledge the valuable assistance so readily rendered by the School Medical Officer, Schoolmasters, Mistresses, and Officers of the Education Committee.

SUMMARY OF DISEASES FOR WHICH DISINFECTION

HAS BEEN CARRIED OUT.

Phthisis	...	...	...	53
Cancer	...	...	...	9
Measles	...	...	...	3
Erysipelas	...	...	...	1
Puerperal	...	...	...	3
Mumps	...	...	...	1
Scarlet	}			
Typhoid		...	...	208
Diphtheria, &c.				
Total	...	...	...	278

This necessitated the disinfection of 228 rooms.

ARTICLES DISINFECTED IN 1908.

Mattresses	...	...	...	448
Palliasses	...	...	...	269
Blankets	...	...	...	392
Bolsters	...	...	...	271
Bedties	...	...	...	318
Quilts ...	...	...	..	142
Carpets	...	...	...	165
Dresses	...	...	...	176
Dressing Gowns	...	...	...	135
Cushions	...	...	...	168
Curtains	...	...	...	213
Underlinen	...	...	...	302
Coats ...	...	...	...	185
Suits ...	...	...	...	207
Rugs ...	...	...	...	134
Other Articles	..	...	...	2985
				— —
Total	...	...	...	6510

Sanatorium
Report.

SANATORIUM OR FEVER HOSPITAL.

REPORT FOR THE YEAR 1908.

GENTLEMEN,

We have the honour to present you with the following report of the cases treated at the Sanatorium during the year 1908.

We began the year with 20 cases under treatment remaining over from 1907, 11 of which were from the County. 188 fresh cases were admitted during the year, 92 of these coming from the County, and we have at the end of the year 1908 34 cases under treatment, of which 27 are from the County.

(*Vide* following figures) :—

1899 ...	Total treated at Sanatorium ...	234
1900 ...	„ „ ...	176
1901 ...	„ „ ...	422
1902 ...	„ „ ...	436
1903 ...	„ „ ..	398

1904 ...	„	„	... 268
1905 ...	„	„	... 128
1906 ...	„	„	... 321
1907 ...	„	„	... 205
1908 ...	„	„	... 208

Nearly half the cases treated at the Sanatorium during 1908 came from the County of Devon, and include cases as per schedule—from St. Thomas R.D.C., Exmouth U.D.C., Sidmouth U.D.C., Topsham Barracks, and private cases

The following table shows the number of County cases treated during the past 10 years :—

1899 ...	Cases from the County of Devon ...	57
1900 ...	„ „ ...	66
1901 ...	„ „ ...	41
1902 ...	„ „ ...	100
1903 ...	„ „ ...	83
1904 ...	„ „ ...	90
1905 ...	„ „ ...	47
1906 ...	„ „ ...	169
1907 ...	„ „ ...	103
1908 ...	„ „ ...	103

The following is the mortality amongst the 103 cases from the County of Devon during the year 1908 :—

Diphtheria	..	...	...	2
Cases treated from the City and County of Exeter	...			105
Cases treated from the County of Devon	..		...	103
				— — —
Total				208

The following is the mortality amongst the 105 cases from the City and County of Exeter :—

Scarlet Fever	...	...	..	1
Diphtheria	...	...	...	1
				— — —
Total				2

The average duration of each patient's stay in the Sanatorium was 50·03 days.

Against in 1899	...	...	44 days
, 1900	...	...	45 „
, 1901	...	...	48 „
„ 1902	...	...	46 „
„ 1903	...	..	45 „
1904	...	...	49 „

Against in 1905	...	...	42 days	.
„ 1906	..	...	52	„
„ 1907	...	...	48	„
„ 1908	...	...	50	„

The average number of patients per day was 23·5.

During the past year 1908 there occurred 4 deaths amongst all the patients who were treated at the Sanatorium, viz. :—

From Scarlet Fever	...	...	1
From Diphtheria	...	...	3
Total	...	...	<u>4</u>

This gives a death-rate of 1·9 per 100 cases treated

DIPHTHERIA.—32 cases of Diphtheria were treated during the year, of whom 3 died, 26 were discharged cured, and 3 left under treatment.

TYPHOID FEVER.—20 cases of Typhoid Fever were treated, of whom 18 were discharged cured, and 2 left under treatment.

SCARLET FEVER.—154 cases of Scarlet Fever were treated during the year. Of these 1 died, 124 were discharged cured, and 29 left under treatment.

MEASLES.—One case of Measles was admitted and discharged cured.

CHICKEN-POX.—One case was admitted and discharged cured.

We have again much pleasure in stating that the Matron (Miss Marion Jones) has carried out her duties most efficiently, and the able way in which the nursing and administration of the Institution is conducted is greatly due to her influence.

The Nursing Staff has again during the past year proved most satisfactory, and we feel much indebted to the Nurses for the kind and careful treatment of the patients under their charge.

We must again thank Mr. W. J. Wreford for his constant kind assistance. His many duties in connection with the Sanatorium have always been performed to the entire satisfaction of everyone.

Appended are Schedules of Cases.

We are, Gentlemen,

Yours faithfully,

EDWARD A. BRASH,
GEORGE T. CLAPP,
C. J. VLIELAND.

Schedule of Cases treated at the Exeter Sanatorium during
the year 1908 :—

MONTH.	Cases Admitted.					Deaths.			Discharged Cured.					Remaining on the last day of each month.					
	Small Pox	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Measles.	Chicken Pox.	Small Pox.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Measles.	Chicken Pox.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Measles.
Remaining on 1st Jan., 1908.	...	3	15	2	...	...	...	.	...	...	...	...	...	...	.	...	.	...	...
January	2	6	2	...	...	.	...	1	1	11	1	...	...	.	4	10	2	.
February	1	10	1	...	...	...	...	.	1	6	1	...	...	.	4	14	2	...
March	1	23	1	...	...	...	...	1	2	10	...	...	...	.	3	27	2	.
April	17	4	...	...	...	...	...	2	9	1	...	...	.	1	35	5	...
May	1	11	6	...	...	...	...	1	1	25	5	...	...	.	1	21	5	...
June	3	2	...	...	.	...	...	...	13	...	...	...	.	1	11	7	...
July	7	3	...	1	...	...	...	1	9	7	...	1	...	...	9	3	...
August	2	15	...	...	...	...	.	...	...	3	3	...	...	.	2	21	...	...
September	1	6	4	...	...	...	...	1	...	1	15	...	...	.	2	11	4	...
October	7	3	1	...	...	.	...	...	1	8	3	...	.	1	10	4	1
November	7	14	3	...	...	...	...	...	...	1	5	1	1	...	7	19	6	...
December	2	20	1	...	...	...	...	...	...	7	10	4	...	...	2	29	3	...
Total	20	154	32	1	1	...	...	1	3	18	124	26	1	1	...	...	...	.

Average time of Patients' treatment, 50·03 days.

Average number of Patients per day, 23·5.

Summary of Cases treated at the Exeter Sanatorium for
the year 1908.

Disease Treated.	Remain- ing 1st Jan., 1908.	Admitted during 1908.	Total Deaths.	Dis- charged Cured.	Total Treated during 1908.	Remain- ing 1st Jan., 1909.
Typhoid Fever ..	3	17	—	18	20	2
Scarlet Fever ..	15	139	1	124	154	29
Diphtheria ..	2	30	3	26	32	3
Measles ..	—	1	—	1	1	—
Chicken Pox ..	—	1	—	1	1	—
Total ..	20	188	4	170	208	34

Summary of Cases treated at the Exeter Sanatorium from
the County of Devon for the year 1908, and
included in the above :—

Disease Treated	Remain- ing 1st Jan., 1908.	Admitted during 1908.	Total Deaths.	Dis- charged Cured	Total Treated during 1908.	Remain- ing 1st Jan., 1909.
Typhoid Fever ..	2	1	—	3	3	—
Scarlet Fever ..	8	80	—	62	88	26
Diphtheria ..	1	10	2	8	11	1
Measles ..	—	1	—	1	1	—
Total ..	11	92	2	74	103	27

The County Cases were admitted from the following

Districts :—

Disease treated.	St. Thomas R.D.C.	Exmouth U.D.C.	Sidmo'th U D.C.	Private Cases.	Topsham Barracks	Totals	Included in City Cases R.D. & E. Hospital.
Typhoid Fever ..	1	—	—	—	—	1	—
Scarlet Fever ..	29	30	18	1	2	80	2 nurses 8 pat'nts
Diphtheria ..	8	1	1	—	—	10	—
Measles ..	—	—	—	—	1	1	—
Total	38	31	19	1	3	92	10

SEWAGE.

The whole of the Sewage of the City is dealt with by bacteriological treatment on the Septic Tank principle. The improvements mentioned in my Report of last year have been carried out by the City Engineer, and are now practically complete. The alterations will greatly improve the works, and facilitate their being kept in good condition. The care and supervision that is now exercised over the works will obviate any slight nuisance that may previously have arisen. I have had close observation kept, and visits paid at all times and under all conditions, and on no occasion has any nuisance arising from the works been detected; and

I am strongly of opinion that under the present management no cause for complaint can arise, and the cause of any complaint of a nuisance in the immediate neighbourhood must be looked for from some other source than that of the Sewage Works.

HOUSE DRAINAGE.

The drainage of the City is by the Water Carriage System, and special attention has again been paid to house drains during the past year.

During the past year 434 drains have been tested with the water test; included in this number are the drains of 281 new houses.

The drains of 118 houses have been relaid; 48 repaired, trapped, and ventilated.

The flushing arrangements of 33 water-closets have been improved, and 109 have been repaired.

A large amount of work has again been done in the way of improving w.c.'s and providing light and air, and 79 courtyards and floors have been repaved with cement concrete.

REMOVAL AND DISPOSAL OF HOUSE REFUSE.

This work is carried out by the Council by direct labour, and in most parts of the City the house refuse is removed daily, while in the suburban parts the refuse is removed twice a week, and I have had no cause for complaint.

I am pleased to report that the large heaps of refuse by the side of the St. Thomas Sewage Works have been removed.

I have again called attention to the unsatisfactory method of the disposal of house refuse, and regret that the question of a Refuse Destructor has not yet been decided.

WATER.

The Water Supply for the City, which is from the river Exe, continues to be satisfactory.

The work of covering the service Reservoirs at Danes Castle in a similar manner to that at Marypole Head is well in hand, and from next June we shall be able to supply water to the whole of the City from covered reservoirs.

The covering in of Marypole Head Reservoir during the past year has proved of great advantage, and I am confident that when the present work is completed, the water supply will be in a more satisfactory state than ever. The work is being carried out from plans and specification prepared by the City Engineer and Surveyor, who informs me it is making satisfactory progress.

ANALYST'S REPORT.

Analysis and Bacteriological Examination of the City Water.

PUBLIC ANALYST'S LABORATORY,

EXETER.

REPORT ON SAMPLE OF WATER.

Analyst's
Report.

Collected March 25th, 1908, from Exe Street.

Physical Characters—

(a)	Colour	...	...	...	Slightly yellowish tint
(b)	Taste	...	...	...	Normal
(c)	Smell	...	...	...	None
(d)	Suspended matter	...	...	...	Desmids (closteries)

Chemical Characters—

In Grains per Gallon.

(e)	Total Solids (dried at 110° C)	...	6.62
(f)	Mineral Matter (after re-carbonating)	...	6.22
(g)	Loss on Ignition	...	.4

Characters on Ignition :—Very little charring of
organic material,

(h)	Chlorides (expressed as Chlorine) ...	1·0
(i)	Hardness (total) ...	3·93
(j)	Hardness (permanent) ...	·93
(k)	Nitrites ...	0
(l)	Nitrates (expressed as Nitrogen) ...	·056
(m)	Saline Ammonia ...	·0003
(n)	Albumenoid Ammonia...	·003
(p)	Oxygen absorbed in 4 hours ...	·035
(q)	Poisonous Metals ...	absent
(r)	Phosphates...	0

ENUMERATION OF BACTERIA.

Number of Micro-organisms per cubic centimeter :—Beef
Gelatine, 18 ; Distilled Water Gelatine, 20.

These results do not differ from those of the last
analysis in any important detail.

The results are satisfactory.

THOMAS TICKLE,

Public Analyst.

PUBLIC ANALYST'S LABORATORY,

EXETER.

REPORT ON SAMPLE OF WATER.

Collected 26th June, 1908, from Main Tap
in Laboratory.

Physical Characters—

(a)	Colour	...	...	...	Slightly yellowish tint
(b)	Taste	...	..	...	Normal
(c)	Smell	...	...	...	None
(d)	Suspended Matter	...	...	...	Insignificant

Chemical Characters—

In Grains per Gallon.

(e)	Total Solids (dried at 110° C)	...	8·2
(f)	Mineral Matter (after re-carbonating)	...	8·2
(g)	Loss on Ignition	...	0

Characters on Ignition :—Nothing charred.

(h)	Chlorides (expressed as Chlorine)	...	0·95
(i)	Hardness (total)	...	6·0
(j)	Hardness (permanent)	...	1·8

(k)	Nitrites	..	...	...	0
(l)	Nitrates (expressed as Nitrogen		...		0·04
(m)	Saline Ammonia		...	...	0
(n)	Albumenoid Ammonia...		...		0·005
(p)	Oxygen absorbed in 4 hours		...		0·04
(q)	Poisonous Metals	..	...		Absent
(r)	Phosphates...		...	...	0

ENUMERATION OF BACTERIA.

Micro-organisms developed in Peptone—100.

Micro-organisms developed in Distilled Water—110.

The above results of analysis and bacteriological examination are normal for the season and climate, and are satisfactory.

THOMAS TICKLE,

Public Analyst.

PUBLIC ANALYST'S LABORATORY,

EXETER.

REPORT ON SAMPLE OF WATER.

Collected 17th September, 1908, from No. 43,

Russell Street, Exeter.

Physical Characters—

(a)	Colour	...	...	...	Nearly colourless
(b)	Taste	...	...	...	Normal
(c)	Smell	...	...	...	None
(d)	Suspended Matter	...	...	...	Nothing

Chemical Characters—

In Grains per Gallon

(e)	Total Solids (dried at 110° C)	...	6.9
(f)	Mineral Matter (after re-carbonating)		6.4
(g)	Loss on Ignition	...	0.5

Characters on Ignition :—Nothing charred.

(h)	Chlorides (expressed as Chlorine)	...	0.09
(i)	Hardness (total)	...	3.20
(j)	Hardness (permanent)	...	
(k)	Nitrites	...	0

(l)	Nitrates (expressed as Nitrogen)	..	0·057
(m)	Saline Ammonia	... ..	0
(n)	Albumenoid Ammonia...	...	0·0037
(p)	Oxygen absorbed in 4 hours	...	0·03
(q)	Poisonous Metals	... ..	Absent
(r)	Phosphates...	... ..	0

.

ENUMERATION OF BACTERIA.

Micro-organisms developed in Peptone—Per cubic centimeter
—14.

Micro-organisms developed in Distilled Water—Per cubic
centimeter—13.

The quality and purity of the water continue uniform
and are satisfactory.

THOMAS TICKLE,

Public Analyst.

PUBLIC ANALYST'S LABORATORY,

EXETER.

REPORTS ON SAMPLES OF WATER.

Collected December 21st, 1908, from No. 18,

Northernhay Street. Exeter.

Physical Characters—

(a)	Colour	...	...	...	Nearly colourless
(b)	Taste	...	...	...	Normal
(c)	Smell	...	...	...	None
(d)	Suspended Matter	...	...	...	Nothing

Chemical Characters—

In Grains per Gallon.

(e)	Total Solids (dried at 110° C)	...	7.0
(f)	Mineral Matter (after re-carbonating)		6.6
(g)	Loss on Ignition	...	0.4

Characters on Ignition :—Nothing charred.

(h)	Chlorides (expressed as Chlorine)	...	1.1
(i)	Hardness (total)	...	3.8
(j)	Hardness (permanent)	...	1.0
(k)	Nitrites	...	0

(l)	Nitrates (expressed as Nitrogen)	...	0·08
(m)	Saline Ammonia	... ..	0
(n)	Albumenoid Ammonia...	...	0·0040
(p)	Oxygen absorbed in 4 hours	...	0·051
(q)	Poisonous Metals	... ..	Absent
(r)	Phosphates...	... ..	0

ENUMERATION OF BACTERIA.

Micro-organisms developed in Peptone—Per cubic centimeter
—110.

Micro-organisms developed in Distilled Water—Per cubic
centimeter—.90.

There is an improvement in the purity of the water
since last month, resulting from the disappearance of autumn
debris from the river.

The bacteriological purity, as well as other general
qualities, remain satisfactory.

THOMAS TICKLE,

Public Analyst.

COMMON LODGING HOUSES.

There are only 3 Common Lodging Houses in the city ; these are regularly inspected by the Police and Sanitary Officers, and are in compliance with the regulations of the Model Bye-Laws for Common Lodging Houses.

These houses are well kept and no cases of infectious diseases have occurred in them.

SLAUGHTER HOUSES.

During the past year the nine Slaughter Houses in the City have been regularly inspected, and found to be kept in accordance with the Bye-Laws.

The experience of the present year still more confirms my opinion that the time has arrived when the question of the abolition of private slaughter houses should be dealt with by the Government, and that it should be compulsory that all animals intended for human food should be slaughtered under public supervision. Our experience is that the closer the supervision exercised in the city, the more the tendency is for animals of a doubtful character to be killed outside.

In the inspection of carcases affected with Tuberculosis, the recommendations of the Royal Commission are strictly adhered to. From the apparent condition of many of the animals that were afterwards condemned, I am strongly of opinion that before this disease can effectually be dealt with, some scheme of imperial compensation will have to be devised. In the meantime some arrangement of insurance should be arranged between buyer and seller, and from the experience gained where this is practised it appears to be carried out at a small cost.

BAKEHOUSES.

We have 55 Bakehouses in the City, five of which are underground, and seven are factories, all of which have been regularly inspected. In 13 cases it was found necessary to serve notices to limewash the walls and ceilings of the bakehouse.

DAIRIES, MILKSHOPS, AND COWSHEDS.

During the past year the whole of the Dairies, Milkshops, and Cowsheds have been visited, and no case of infectious disease could in any way be traced to milk supply. The question of the construction and condition of the cowsheds

within the City is receiving close attention, especially those in the outlying parts. During the past year seven cowsheds have been closed, four re-built, and six are now under notice to re-model.

During the year 47 samples of new milk, 15 samples of scald milk, and 7 samples of cream have been submitted for analysis, with the results that 4 samples of new milk were returned as adulterated, in one case to the extent of 37·5 per cent. of added water. In no sample of milk was any preservative found ; this no doubt is largely due to the circular *re* preservatives in milk issued last year.

SALE OF FOOD AND DRUGS ACT.

During the past year 170 samples were submitted to the Public Analyst, with the result that 17 were returned as adulterated. Out of this number six of the adulterated samples were taken from one vendor who was selling margarine for butter, and after a considerable amount of trouble we were successful in obtaining three samples sold as butter but which consisted wholly of margarine. The vendor was summoned and sentenced to two months' hard labour.

Boric acid to the extent of 75 grains to the pound was found in one of the samples of sausages, and the vendor was fined £5 and costs.

In another case 35 grains of boric acid was found in a pound of sausages, but the summons was dismissed, for though the Magistrates found that although the facts of the case were not in dispute, the allegation that the article as sold was injurious to health, was, in the opinion of the Magistrates, owing to conflicting evidence, open to doubt.

ABSTRACT OF SAMPLES TAKEN FOR ANALYSIS
DURING THE YEAR 1908.

ARTICLE.						Examined.	Adulterated.
Milk	..	..	..	..	..	47	4
Scald Milk	..	..	..	..	..	15	..
Butter	..	..	..	..	..	24	8
Sausages	..	..	..	..	..	13	3
Margarine	..	..	..	..	..	7	..
Coffee	..	..	..	..	..	5	..
Pepper	..	..	..	..	..	5	..
Cream	..	..	..	..	..	7	..
Bread	..	..	..	..	..	3	..
Self-Raising Flour	..	..	..	..	..	3	..
Jam	..	..	..	..	..	3	..
Cheese	..	..	..	..	..	2	..
Vinegar	..	..	..	..	..	3	2
Lard	..	..	..	..	..	3	..
Limewater	..	..	..	..	..	3	..
Camphorated Oil	..	..	..	..	..	3	..
Seidlitz Powder	..	..	..	..	..	3	..
Tartaric Acid	..	..	..	..	..	2	..
Citric Acid	..	..	..	..	..	4	..
Castor Oil	..	..	..	..	..	3	..
Arrowroot	..	..	..	..	..	2	..
Essence of Peppermint	..	..	..	..	..	3	..
Compound Syrup of the Hypophosphites	..	..	..	..	..	1	..
Scotch Whiskey	..	..	..	..	..	3	..
Gin	..	..	..	..	..	3	..
Total	..	..	..	..	..	170	17

AMOUNT OF ADULTERATION, PROCEEDINGS TAKEN, AND FINES.

No. of Sample.	Article Adulterated.	Amount of Adulteration.	Proceedings taken.	Result of Proceedings.
1	Milk	37.5 per cent. added water	Summoned	Fined £5 and costs
*7	Milk	15.5 per cent. deficient in Fat	None	
11	Butter	Contained not less than 17.7 per cent. of water	None	Cautioned by letter by Town Clerk
45	Milk	22 per cent. of added water	Summoned	Fined 5/- and costs
51	Butter	Contained not less than 20.5 per cent. of water	Summoned	Fined £1 and costs
*54	Butter	Entirely Margarine	None	
*55	Butter	Entirely Margarine	None	
56	Butter	Entirely Margarine	Summoned	
*59	Butter	Entirely Margarine	None	
*60	Butter	Entirely Margarine	Summoned	
*61	Butter	Entirely Margarine	Summoned	
87	Milk	14.0 per cent. deficient in Fat	Summoned	Fined 10/- and costs
188	Sausages	75 grains Boric Acid per lb.	Summoned	Fined £5 and costs
150	Vinegar	An artificially prepared solution of Acetic Acid	None	
151	Malt Vinegar	Only 3.2 per cent. Acetic Acid	None	
159	Sausages	35 grains Boric Acid per lb.	Summoned	Dismissed
160	Sausages	16 grains Boric Acid per lb.	None	Cautioned by letter by Town Clerk

*Informal Samples.

Standard for Butter 16 per cent. of Water.

MIDWIVES' ACT.

There are 16 Midwives on the Register, all of whom are practising in the City. Eight of these are trained Midwives and certified by the Central Midwives' Board ; eight are registered by reason of their being in practice prior to the Act being in force. During the past year 47 still births were recorded, 23 by certified Midwives, one by an uncertified Midwife, and 23 by medical men. Notices of sending for medical assistance was received in 18 cases.

NOTIFICATION OF BIRTHS ACT, 1907.

This Act was adopted by the Council and came into force on the 13th January, 1908 ; but previous to this we had an arrangement with the Registrars of Births to notify to me all births registered.

During the year notifications were received of 1,061 births and 47 still-births ; from these must be deducted three births notified twice, and one outside the district, so that the actual number of births during the year was 1,104.

From inquiries made by the Health Visitor I find that of the 1,104 births, 360 were attended by Medical men 560 by Certified Midwives, 127 by Uncertified Midwives ; 21 births took place in the Workhouses, and 36 of which we have no record.

FACTORIES AND WORKSHOPS ACT.

We have on our registers 74 Factories and 455 Workshops. The following Tables will show the work done.

TABLE

Showing Number of Workshops and Inspections made under
Factory and Workshops Acts :—

WORKSHOPS, ETC.	No. on Register	No. of Visits	WORKSHOPS, ETC.	No. on Register	No. of Visits.
Bakers	55	129	Brought Forward	253	332
Basket Makers ..	3	3	Lace Manufacturers ..	2	2
Bedding Manufacturers	1	1	Laundries	20	22
Blind Makers ..	1	1	Leather Merchants ..	2	2
Boot Makers ..	10	11	Mangling	1	1
Bookbinders ..	3	3	Machine Ruling ..	1	1
Brush Makers ..	4	4	Mantle Makers ..	1	1
Builders	33	33	Milliners	30	30
Cabinet Makers ..	12	13	Modellers	1	1
Carpenters and Joiners..	3	3	Organ Makers	1	1
Chemists Specialities ..	1	1	Piano Repairers ..	1	1
Carvers	2	2	Photography	4	6
Cheese Factors ..	1	1	Plumbers & Gas Fitters	15	15
Clock Makers ..	1	1	Picture Frame Makers ..	7	7
Coach Makers ..	5	5	Rope Makers	1	2
Confectioners ..	4	4	Rag Stores	3	3
Coopers	1	1	Saddler & Harness Makers	9	9
Corset Makers ..	1	1	Scale Makers	3	3
Cycle Repairers ..	11	12	Smiths	11	12
Decorators	1	1	Stained Glass Window		
Dressmakers ..	83	85	Makers	3	3
Drug Manufacturers ..	1	1	Scenic Artists	1	2
Embroidery Makers ..	1	1	Shoeing Forges ..	4	5
Engravers	4	4	Shirt & Collar Makers .	1	1
Engineers	1	1	Sculptors	2	2
Fancy Box Makers ..	1	1	Tailors	59	62
Fish Packing ..	1	1	Tarpaulin Makers ..	3	4
Furrier	2	2	Tinsmiths	2	2
Flag and Fête Contractors	1	1	Tea Factors	1	1
Glove Cleaners ..	1	1	Umbrella Repairers ..	1	1
Hat Makers ..	1	1	Upholsterers	9	10
Ironmongers ..	2	2	Wheelwrights	4	4
Ladder Makers ..	1	1			
Carried Forward	253	332	Grand Total	456	548

TABLE

Showing Number of Factories and Inspections made under the
Factory and Workshops Acts during 1908 :—

FACTORIES.	No. on Register	No. of Visits	FACTORIES.	No. on Register	No. of Visits
Aërated Water Makers..	4	4	Brought Forward	39	39
Bakers	6	6	Ironmongers ..	2	2
Baryta Manufacturer ..	1	1	Lace Manufacturers ..	1	1
Blouse Manufacturer ..	1	1	Laundries	3	3
Builders	10	10	Paper Mills.. ..	2	2
Brewers	2	2	Paper Bag	1	1
Brush Maker	1	1	Printers	14	14
Boot Maker	1	1	Plumber	1	1
Cabinet Maker	1	1	Rag Sorter	1	1
Cutler	1	1	Saw Mills	1	1
Collar Manufacturer ..	1	1	Tobacco Factor ..	1	1
Coach Builder	1	1	Tailor	1	1
Cycle Repairer	1	1	Tramway Depot ..	1	1
Electric Light Works ..	1	1	Wood Carvers ..	2	2
Engineers	4	4	Wood Turning ..	2	2
Flour Mills.. ..	2	2	Wheelwrights ..	2	2
Ice Manufacturer	1	1			
Carried Forward	39	39	Grand Total	74	74

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES,
 AND HOMEWORK.

The following Report is made in accordance with the requirements of the Home Office, to whom a copy of this Report has been sent :—

1.—INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.

Premises.	Inspections.	Number of	
		Written Notices.	Prosecutions.
Factories (including Factory Laundries)	74		
Workshops (including Workshop Laundries)	548	58	
Workplaces (other than Outworkers' Premises included in Part 3 of this Report)	18		
Total	640	58	

2.—DEFECTS FOUND.

Particulars	Number of Defects.			Number of Prosecutions
	Found.	Remedied.	Referred to H.M. Inspector	
NUISANCES UNDER THE PUBLIC HEALTH ACTS:—				
Want of Cleanliness	35	35		
Want of Ventilation	1	1		
Overcrowding	9	9		
Want of Drainage of floors				
Other nuisances	24	24		
*Sanitary accom-) insufficient	3	3		
modation) unsuitable or defective	9	9		
) not separate for sexes	1	1		
OFFENCES UNDER THE FACTORY AND WORKSHOP ACT:—				
Illegal occupation of underground bake-house (S. 101)				
Breach of special sanitary requirements for bakehouses (SS. 97 to 100)	14	14		
Other offences (excluding offences relating to outwork which are included in Part 3 of this Report)			17	
Total	96	96	17	

*The Public Health Acts Amendment Act, 1890, has been adopted. The standard of suitable sanitary accommodation in factories and workshops fixed by the Council is a urinal and w.c. for every 20 employees of the male sex, and a w.c. for every 20 females employed.

3—HOME WORK.

NATURE OF WORK.	OUTWORKERS' LISTS SECTION 107.										OUTWORK IN UNWHOLE-SOME PREMISES, SECTION, 108			OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110.				
	Lists received from Employers.				Addresses of Outworkers.		Prosecutions.		Inspections of Outworkers' premises	Instances.	Notices served.	Prosecutions.	Instances.	Orders made (S. 110.)	Prosecutions (Sections 109-110)			
	Twice in the year.		Once in the year.		Failing to keep or permit inspection of lists.		Failing to send lists.											
	Outworkers.	Outworkers.	Outworkers.	Outworkers.	Outworkers.	Outworkers.												
	Lists.	Con-tractors	Work-men.	Lists.	Con-tractors	Work-men.	Received from other Councils.	Forwarded to other Councils.	Notices served on Occupiers as to keeping or sending Lists.	Failing to keep or permit inspection of lists.	Failing to send lists.	(13)	(14)	(15)	(16)	(17)	(18)	(19)
(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)								
Wearing Apparel— (1) Making, &c. . . (2) Cleaning and Washing	46	2	500	6		10	1	16	57			46				2	2	
			4															
Lace, Lace Curtains and Nets				1	20		2	7										
Furniture and Upholstery . .			*9	1	2				1									
Paper Bags and Boxes	2		2	2	5				3			1						
Brush Making	4		7						4			3				1	1	
Total	52	2	522	10		37	3	23	65			50				3	3	

*The nine Outworkers for Upholstery entered in Column 4, were taken from Wearing Apparel Lists, Column 2. One of the two Outworkers entered in Column 8 for Lace, Lace Curtains and Nets, was received both in February and August. 13 of the 16 Outworkers entered in Column 9 for Wearing Apparel were forwarded both in February and August.

4.—REGISTERED WORKSHOPS.

WORKSHOPS ON THE REGISTER (S. 131) AT THE END OF THE YEAR.					Number.
Important classes of work- shops, such as workshop bakehouses, may be enu- merated here.	Bakehouses	..	..	..	55
	Builders	..	..	..	33
	Cycle Repairers	..	..	..	11
	Dressmakers	..	..	..	83
	Tailors	..	..	..	59
	Milliners	..	..	..	30
	Laundries	..	..	..	20
	Upholsterers	..	..	..	9
	Plumbers and Gas Fitters	..	..	..	15
	Cabinet Makers	..	..	..	12
All Other Trades					129
Total number of workshops on Register					456

5.—OTHER MATTERS.

Class.	Number.
MATTERS NOTIFIED TO H.M. INSPECTOR OF FACTORIES :—	
Failure to affix Abstract of the Factory and Workshop Act (S. 133)	17
Action taken in matters referred by H. M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5) {	7
Notified by H.M. Inspector .. .	7
Reports (of action taken) sent to H.M. Inspector .. .	
Other	
UNDERGROUND BAKEHOUSES (S. 101) :—	
Certificates granted during the year	5
In use at the end of the year	5

MAGISTERIAL PROCEEDINGS.

Respecting the various cases brought before the Justices during the Year 1908.

No.	Nature of Offence.	Date of Hearing.	Result.
1	Selling Cream mixed with an injurious article, to wit, Boric Acid, in the proportion of 30 grains per lb. of Cream	February 7th	Fined 2/6 and costs
2	Exposing for sale for the food of man a fore-quarter of Beef, the same being diseased and unfit for such food	February 8th	Fined £20 and costs
3	Exposing for sale for the food of man the Tongue of a Bullock, the same being diseased and unfit for such food	February 8th	Fined £5 and costs
4	Selling Scotch Whiskey adulterated with 5 per cent. of added water	February 14th	Fined 10/- and costs
5	Selling Brandy adulterated with 8 per cent. of added water	February 14th	Fined 10/- and costs
6	Selling Milk adulterated with 37.5 per cent. of added water	February 21st	Fined £5 and costs
7	Selling Milk adulterated with 22 per cent. of added water	May 15th	Fined 5/- and costs
8	Selling Butter containing 20.5 per cent. of water, whereas genuine Butter contains not more than 16 per cent. of water .	May 29th	Fined £1 and costs
9	Selling as Butter an article, which on analysis, was found to consist entirely of Margarine	June 19th	Two months' imprisonment with hard labour (for the three offences)
10	Selling by retail Margarine (not being in a package branded or durably marked "Margarine" on the top, bottom, and sides, in printed capital letters of not less than $\frac{3}{4}$ of an inch square), and without delivering the same to the purchaser in a paper wrapper on which was printed in capital block letters not less than $\frac{1}{2}$ an inch long, and distinctly legible the word "Margarine."	June 19th	
11	Unlawfully exposing for sale by retail a parcel of Margarine there not then being attached to such parcel and in such manner as to be clearly visible to the purchaser a label marked in printed capital letters not less than $1\frac{1}{2}$ inches square "Margarine."	June 19th	

MAGISTERIAL PROCEEDINGS—Continued.

No.	Nature of Offence.	Date of Hearing.	Results.
12	Exposing for sale by retail a parcel of Margarine there not then being attached to such parcel and in such manner as to be clearly visible to the purchaser a label marked in printed capital letters not less than $1\frac{1}{2}$ inches square "Margarine."	June 19th	Two months' imprisonment with hard labour (for the two offences)
13	Selling by retail Margarine (not being in a package branded or durably marked "Margarine" on the top, bottom, and sides in printed capital letters of not less than $\frac{3}{4}$ of an inch square), without delivering the same to the purchaser in a paper wrapper on which was printed in capital block letters not less than $\frac{1}{2}$ an inch long and distinctly legible the word "Margarine."	June 19th	
14	Selling Milk deficient in fat to the extent of not less than 14 per cent.	August 25th	Fined 10/- and costs
15	Selling Sausages mixed with an injurious article, to wit, boric acid, in the proportion of 75 grains per lb. of sausages.	November 6th	Fined £5 and costs

METEOROLOGICAL READINGS FOR THE YEAR 1908.

MONTH.	Barometer Corrected.	Thermometers in Shade		MEANS OF						TOTAL OF		REMARKS.
				Thermometers.				Dew Point.	Thermometers in Shade.		Rain in inches		Number of Wet Days. *
		Highest Reading.	Lowest Reading.	Dry Bulb.	Wet Bulb.	Maxi- mum.	Mini- mum					
January ..	: 30.094	56.0	22.0	40.6	39.4	37.9	43.9	35.7	0.96	10		
February ..	.. 30.101	55.0	30.0	45.5	43.8	41.8	49.1	39.6	1.62	17	
March ..	.. 29.822	56.5	27.5	44.3	41.5	38.5	47.2	36.1	3.20	19	
April ..	.. 29.920	61.5	30.0	48.7	45.8	42.6	53.3	39.6	2.34	15	
May ..	.. 29.973	74.0	40.0	59.0	55.9	53.1	64.7	48.9	1.41	13	
June ..	.. 30.422	77.0	44.0	63.6	60.3	57.5	69.6	51.7	0.68	4	
July ..	.. 30.022	81.5	49.0	66.3	60.3	59.4	71.4	54.9	1.65	9	
August ..	.. 30.002	79.0	46.0	64.3	60.8	58.0	69.6	53.3	3.24	13	
September ..	.. 29.959	70.5	39.0	58.8	56.6	54.6	63.5	50.2	1.96	19	
October ..	.. 30.049	69.0	34.0	56.6	55.5	54.4	60.5	49.0	2.13	15	
November ..	.. 30.013	59.0	29.0	49.3	47.8	43.1	52.9	43.2	1.30	12	
December ..	.. 29.847	56.0	28.0	44.2	43.0,	41.6	47.2	39.3	3.00	26	

Giving a total rainfall for 1908 of 23.55 inches, and the total number of wet days 172. A Fall of .01 inches constitutes a wet day.

TABLE

Showing the Rainfall in Exeter for 10 years and number of wet days.

Year.	Gross Rain fall.	No. of Wet Days.	
1899	33·10	165	Average rain fall for the 10 years, 29·72 inches.
1900	31·16	192	
1901	30·64	175	
1902	27·88	174	Average number of wet days in the 10 years, 175.
1903	38·41	191	
1904	31·32	165	
1905	27·83	150	1908.
1906	25·02	175	Rain in inches, 23·55.
1907	28·38	197	Number of Wet Days, 172.
1908	23·55	172	

SUMMARY OF TABLES.

TABLE I.	TABLE II.	TABLE III.	TABLE IIIA.
Vital Statistics of the whole district for the year 1908 and the 10 previous years.	Shows Vital Statistics of various Wards in the City.	Cases of infectious diseases notified and removed to Hospital from various localities during the year 1908.	Showing monthly returns of the number of cases of infectious diseases notified.
TABLE IV.	TABLE V.	TABLE VI.	TABLE VII.
Causes of, and ages at, deaths in various localities during the year 1908.	Showing the number of deaths under one year from all causes, classified under the various groups of diseases.	Showing the number of deaths from all causes including residents of Exeter who died at the Sanatorium and City Asylum classified under the various groups of diseases.	Showing the ages of deaths registered from all causes under each group of diseases including residents of Exeter who died at the Sanatorium and City Asylum.
	TABLE VIII.		
	Showing ages and deaths registered from all causes, including residents of Exeter who died at the Sanatorium and City Asylum.		

The Weekly Notifications during the Year are shown on Chart 1, the Weekly Mortality on Chart 2, and the Localities in which Fatal cases have occurred are indicated on the accompanying Map of the City.

TABLE I.
VITAL STATISTICS OF WHOLE DISTRICT DURING 1908 AND PREVIOUS YEARS.

Year.	Population estimated to Middle of each Year.	Births.		Total Deaths Registered in the District.					Total Deaths in Public Institutions in the District.	Deaths of Non-Residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District.	Nett Deaths at all Ages belonging to the District.	
		Number.	Rate.*	Under 1 Year of Age.			At all Ages.						
				Number.	Rate per 1,000 Births registered	Number.	Rate *						
1	2	3	4	5	6	7	8	9	10	11	12	Rate.*	
1898	37,687	868	22.84	139	160	647	17.1	101.	52	3	549	14.5	
1899	37,702	843	22.19	153	181	772	20.4	108	45	14	741	19.6	
1900	37,717	831	21.9	115	138	738	19.3	117	50	10	691	18.3	
1901	47,185	1085	23.1	169	155	830	17.6	134	48	7	789	16.7	
1902	47,300	1021	21.3	171	167	834	17.7	126	55	13	779	16.5	
1903	47,400	1071	22.6	141	131	770	16.2	131	48	5	727	15.3	
1904	47,600	1115	23.4	186	166	828	17.4	145	55	27	800	16.8	
1905	47,800	1060	22.2	132	124.5	723	15.1	124	56	20	687	14.4	
1906	48,000	1036	21.7	134	129	708	14.7	140	46	14	676	14.0	
1907	48,200	1057	21.9	142	134	823	17.0	147	55	22	790	16.4	
Averages for years 1898—1907.		998.7	22.3	148	148.5	767.3	17.25	127	51	13.5	722.9	16.25	
1908	48,300	1131	23.4	143	126.6	804	16.6	157	73	21	752	15.57	

* Rates in Columns 4, 8, and 13 calculated per 1000 of estimated population.

NOTE.—The deaths included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district. The deaths included in Column 12 are the number in Column 7, Corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11. By the Term “Non-residents” is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and “Residents” is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The “Public Institutions” taken into account for the purposes of these Tables are the Royal Devon and Exeter Hospital, Home Hospital, the City and St. Thomas Workhouses, Eye Infirmary, the Exeter Sanatorium, the year also includes deaths of Residents at the City Asylum. Area of District in acres (exclusive of area covered by water), 3,168.

NOTE. In the above Table it must be noticed that before the Year 1900 the Population of Exeter was 37,717. Since 1900, when St. Thomas was annexed the Population was increased to 47,185.

Total Population of all ages, 47,185.
Number of inhabited houses, 10,322.
Average number of persons per house, 4.5.

At Census of 1901.

TABLE II.

VITAL STATISTICS OF SEPARATE LOCALITIES IN 1908 AND PREVIOUS YEARS.

NAMES OF LOCALITIES.	1 THE WHOLE CITY.				2. BELMONT WARD.				3. COWICK WARD.				4. EXWICK W.				5 HOLY TRINITY WARD.				6. ROUGEMONT WARD. B.				7. DAVID'S WARD.			
	Births registered.		Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.		Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.		Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.		Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.		Births registered.	Deaths at all Ages.	Deaths under 1 year.				
YEAR	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.				
1898	37687	868	549	139																								
1899	37702	843	741	153																								
1900	37717	831	691	115																								
1901	47185	1085	789	169																								
1902	47301	1021	779	171																								
1903	47400	1071	727	141																								
1904	47600	1115	800	185	3436				40	13	3370	49	13	3375	55	24	3072	38	6	3263	46	10						
1905	47800	1060	687	132	3480				30	4	3414	37	6	3419	52	13	3116	42	8	3307	35	8						
1906	48000	1036	676	134	3495				37	4	3428	39	10	3430	55	19	3125	27	6	43318	35	6						
1907	48200	1057	790	142	3495				51	14	3478	60	12	3430	55	14	3125	38	10	73318	45	10						
Averages of Years 1898 to 1907.	44659	998	722	148																								
1908	48300	1131	752	143	3495	82	50	7	3391	91	44	10	3478	47	6	3430	90	54	18	3150	35	46	43343	62	57	10		

W.—Workhouse. B.—Barracks. R.D. & E.H.—Royal Devon and Exeter Hospital. H.H.—Home Hospital.

NOTE.—In the above Table it must be noticed that before the year 1900 the population of Exeter was 37,717.

Since 1900, when St. Thomas was annexed, the population was increased to 47,185.

TABLE II—Continued.

VITAL STATISTICS OF SEPARATE LOCALITIES IN 1908 AND PREVIOUS YEARS.

NAMES OF LOCALITIES.	8. ST. JAMES' WARD.				9 ST. JOHN'S WARD.				10. ST. LEONARD'S WARD. H.H.				11. ST. MATTHEW'S WARD. W.H.				12. ST. PAUL'S WARD.				13. ST. PET. ROCK'S WARD. R.D. & E. H.				14. ST. SIDWELL'S WARD.				15. ST THOMAS' WARD			
	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.				
YEAR.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.
1898	4003			43867	69	27	3028	40	73500	119	18	3408	41	16	2899	115	33877	81	19	2903	47	11										
1899	4047	57		93911	74	29	3072	35	43544	95	11	3452	51	14	2943	50	73921	61	13	2947	43	5										
1900	4072	41		63934	69	31	3080	27	33564	105	5	3467	37	14	2949	92	33944	59	11	2953	48	11										
1901	4072	47		53934	88	29	3080	38	53564	101	10	3467	66	10	2949	105	33944	57	10	3003	43	7										
1902																																
1903																																
1904																																
1905																																
1906																																
1907																																
Averages of Years 1898 to 1907.																																
1908	4072	52	50	53934	67	25	3080	75	53564	110	104	11	3467	103	50	16	2949	32	127	73944	90	62	13	3003	85	33	6					

See Note at bottom of Table IV.

TABLE IIIA.

Monthly Returns of the Number of Notifications of Infectious Disease reported to the Medical Officer of Health during the Year 1908.

Month.	DISEASE NOTIFIED.									
	Small Pox.	Cholera.	Diphtheria.	Membr. Croup.	Erysipelas.	Scarlet Fever.	Typhoid.	Typhus.	Puerperal.	Chicken Pox.
January ...	—	—	1	—	—	5	2	—	—	4
February ...	—	—	—	—	4	8	2	—	1	1
March ...	—	—	1	—	2	17	1	—	2	5
April ...	—	—	5	—	3	12	—	—	—	9
May ...	—	—	5	—	3	6	1	—	—	9
June ...	—	—	1	—	1	—	—	—	—	9
July ...	—	—	2	—	1	—	—	—	—	6
August ...	—	—	—	—	1	4	1	—	—	5
September	—	—	3	—	1	2	1	—	—	2
October ...	—	—	4	—	1	6	—	—	1	—
November	—	—	4	—	2	8	7	—	—	—
December	—	—	3	—	4	1	2	—	—	6
Total Notifications.	—	—	29	—	23	69	17	—	4	56
Notified second time.	—	—	—	—	—	—	—	—	—	—
Actual number of cases.	—	—	29	—	23	69	17	—	4	56

TABLE IV.

Causes of, and Ages at Death during Year 1908.

Causes of Death.	Deaths at the sub-joined ages of "Residents" whether occurring in or beyond the District.						Deaths at all ages of "Residents" belonging to Localities, whether occurring in or beyond the District.													Total Deaths whether of "Residents" or "Non-Residents" in Public Institutions in the District.			
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Belmont Ward.	Cowick Ward.	W Exwick Ward.	Holy Trinity Ward.	B. Rougemont Ward.	St. David's Ward.	St. James's Ward.	St. John's Ward.	H. H. St. Leonard's Ward.	W. St. Matthew's Ward.	St. Paul's Ward.	R. D. & E. H. St. Petrock's Ward.		St. Sidwell's Ward.	St. Thomas' Ward.	
Small-pox ..																							
Measles ..	1		1											1									
Scarlet fever ..	1		1					1															
Whooping-cough ..	33	15	17	1				2	1	2	1		2	2	10	4	3	1	1	2	2		
Diphtheria (in'g membranous croup) ..	3		2	1								1	1						1				1
Croup ..																							
Fever { Typhus Enteric Other contin'd																							
Epidemic influenza ..	12					7	5	1	1	3		2				3			1	1			
Cholera ..																							
Plague ..																							
Diarrhoea ..	9	5	1			1	2		1					1	5		1		1				
Enteritis ..	8	5	2	1								2	1		1		2		1	1	1	1	
Puerperal fever ..	2				1	1															1	1	
Erysipelas ..	1					1										1							
Other septic diseases ..																							
Phthisis (Pulmonary Tuberculosis) ..	64	1		5	17	39	2	4	2	2	5	3	4	8	4	2	14	5	1	5	5		4
Other tuberculous diseases ..	29		6	8	6	9		1	1		1	1		1	3	1	3	3	10	3	1		9
Cancer, malignant disease ..	66					39	27	4	4	3	1	2	4	2	3	4	9	3	20	5	2		24
Bronchitis ..	55	16	5			9	25	4		6	10		4	3	8	1	10	1	3	1	4		6
Pneumonia ..	64	16	12		3	20	13	1	2	5	5	4	3	6	3	2	9	6	6	8	4		8
Pleurisy ..	2					2			1							1							
Other diseases of Respiratory organs ..	12	1	2			5	4	1		1	1		2		1	1	1		3	1		5	
{ Alcoholism ..	11					8	3					1	2		1	1	2	1	1	2		3	
{ Cirrhosis of liver ..																							
Venereal diseases ..	2	1				1						1							1				1
Premature birth ..	15	15								2	1	4			1	2	2	3					
Diseases and accidents of parturition ..	3					3					1						1		1				
Heart diseases ..	78			2	3	34	39	5	3	8	4	11	9	8	7		8	5	3	7			3
Accidents ..	27	6	4	3		7	7	2	3	1	1	3		1	1		2	1	11	1		13	
Suicides ..	10				1	8	1				2	1	3			1			1	1	1		1
All other causes	317	62	5	10	8	95	137	24	23	14	19	14	21	18	19	10	37	21	61	23	13		79
All causes ..	825	143	58	31	39	209	265	50	44	47	54	46	57	50	67	34	104	50	127	62	33		157

By agreement with the Registrar-General $\frac{5}{7}$ ths of the deaths (99) which occurred in the Royal Devon and Exeter Hospital are deducted for Non-Residents. The total deaths in that Institution were 71. Also 2 deaths of Non-Residents which occurred at the Home Hospital must be deducted.

To the 157 Deaths Registered as occurring in Public Institutions in the District must be added 21 Deaths for Residents of Exeter who died in Public Institutions beyond the District.

W.—Workhouse. B.—Barracks H.H.—Home Hospital. R.D. & E.H.—Royal Devon & Exeter Hospital

TABLE V.

Showing Infantile Mortality during the Year 1908. Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total Under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
All Causes.	{ Certified ..	26	6	5	5	42	11	15	13	10	11	12	11	4	7	4	3	143
	{ Uncertified ..																	
Common Infectious Diseases.	Small-pox ..																	
	Chicken-pox ..																	
	Measles ..																	
	Scarlet Fever ..																	
	Dip'theria:M.Croup																	
Diarrhœal Diseases.	Whooping Cough..							2	1	3	1	1	4	1		1	1	15
	Diarrhœa, all forms						1		1			1	1		1			5
	Enteritis,Muco-en's																	
	Gastro-enteritis ..										3				2			5
	Gastritis Gastro-intestinal Catarrh									1	1							2
Wasting Diseases.	Premature Birth ..	11	1	1	1	14	1											15
	Congenital Defects	3				3												3
	Injury at Birth ..																	
	Want of Breast-milk																	
	Starvation																	
Tuber-culous Diseases.	Atrophy. Debility, Marasmus	7	1	2	2	12	5	3	3		1	3		1		1		29
	Tuberculous Meningitis																	
	Tuberculous Peritonitis : Tabes																	
	Mesenterica ..																	
	Other Tuberculous Diseases																1	1
Other Causes.	Erysipelas ..																	
	Syphilis ..								1									1
	Rickets ..											1						1
	Meningitis (not Tuberculous)						1						1					2
	Convulsions ..	2	4	1	1	8	2	2	1			1	1					14
	Bronchitis ..				1	1		3	3	1	3	1	2			1	1	16
	Laryngitis ..																	
	Pneumonia ..							1	1	1	1	2	3	2	4	1		16
	Suffocation, over-lying	1				1		2	1	2								6
	Other Causes	2		1		3	1	2	1	2	1	2						12
		26	6	5	5	42	11	15	13	10	11	12	11	4	7	4	3	143

Population—Estimated to middle of 1908 .. 48,300

Births in the year { legitimate 1053 Deaths in the year of { legitimate infants 126

{ illegitimate 78 { illegitimate infants 17

Deaths from all causes at all ages .. 825.

TABLE VI.

Showing the Number of Deaths from all Causes, including
Residents of Exeter, who died at the Sanatorium and City
Asylum.

					No. of Deaths.
I.—SPECIFIC FEBRILE, OR ZYMOTIC DISEASES—					
1.	Miasmatic Diseases	..	..	..	38
2.	Diarrhoeal ,,	..	..	..	9
3.	Malarial ,,	..	..	..	—
4.	Zoogenous ,,	..	..	..	—
5.	Venereal ,,	..	..	..	2
6.	Septic ,,	..	..	..	3
II.—PARASITIC DISEASES					—
III.—DIETIC DISEASES					1
IV.—CONSTITUTIONAL DISEASES					182
V.—DEVELOPMENTAL DISEASES					82
VI.—LOCAL DISEASES					
1.	Diseases of Nervous System	..	..	..	73
2.	Diseases of Organs of Special Sense	..	..	..	—
3.	Diseases of Circulatory System	..	..	..	95
4.	Diseases of Respiratory System	..	..	..	145
5.	Diseases of Digestive System	..	..	..	60
6.	Diseases of Lymphatic System	..	..	..	—
7.	Diseases of Gland-like Organs of Uncertain Use	..	..	..	4
8.	Diseases of Urinary System	..	..	..	35
9.	Diseases of Reproductive System	..	..	..
	(a.) Diseases of Organs of Generation	..	..	..	5
	(b.) Diseases of Parturition	..	..	..	3
10.	Diseases of Bones and Joints	..	..	..	5
11.	Diseases of Integumentary System	..	..	..	5
VII.—VIOLENCE.					
1.	Accident or Negligence	..	..	..	27
2.	Homicide	..	..	..	—
3.	Suicide	..	..	..	10
4.	Execution	..	..	..	—
VIII.—ILL-DEFINED AND NOT SPECIFIED CAUSES					41
Total					825

TABLE VII.

Showing Ages of Deaths Registered from all Causes during the Year 1908, including Residents of Exeter who died at the Sanatorium and City Asylum.

	AGES.											Totals	55 to 60
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 upwards		
I. Specific Febrile, or Zymotic Diseases	21	22	2	1	3	1			1	1		52	
II. Parasitic Diseases ..													
III. Dietic Diseases						1						1	
IV. Constitutional Diseases ..	2	7	15	24	22	17	25	17	26	13	1	182	13
V. Developmental Diseases ..	18								8	32	24	82	
VI. Local Diseases	66	24	11	13	19	29	53	32	81	50	13	430	39
VII. Deaths from Violence ..	6	4	3	1	4	1	6	1	2	5	1	37	3
VIII. Deaths from Ill-Defined and not Specified Causes ..	30	1				2			2	5		41	1
Totals	143	58	31	39	48	51	84	50	120	106	39	825	56

TABLE VIII.—Continued.

	AGES.											Totals.	55 to 60
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 Upwards		
III.—DIETIC DISEASES.													
Want of Breast Milk, Starvation ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scurvy ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chronic Alcoholism ..	..	..	..	..	..	1	..	..	..	..	..	1	..
Delirium Tremens ..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	1	..	..	..	..	..	1	..
IV.—CONSTITUTIONAL DISEASES.													
Rheumatic Fever, Rheumatism of the heart ..	..	..	..	..	..	1	..	..	1	1	..	3	..
Rhenmatism ..	..	..	..	..	1	..	..	2	4	1	..	8	..
Gout ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets ..	1	1	..	..	..	..	..	..	..	..	..	2	..
Cancer, Malignant Disease ..	..	..	..	..	3	6	10	11	18	8	1	66	9
Tabes Mesenterica ..	..	1	..	..	..	..	..	..	..	..	..	1	..
Tubercular Meningitis, Hydrocephalus...	..	3	3	..	..	1	..	..	..	..	..	7	..
Phthisis ..	1	..	5	17	12	9	13	3	2	..	..	64	2
Other forms of Tuberculosis, Scrofula ...	..	2	5	6	5	..	1	1	..	..	..	21	1
Purpura, Hæmorrhagic Diathesis ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anæmia, Chlorosis, Leucocythæmia ..	..	..	1	..	..	..	..	..	..	..	..	2	1
Glycosuria, Diabetes Mellitus ..	..	..	1	1	1	..	1	..	1	3	..	8	..
Other Constitutional Diseases ..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2	7	15	24	22	17	25	17	26	13	1	182	13
V.—DEVELOPMENTAL DISEASES.													
Premature Birth ..	15	..	..	..	..	..	..	..	..	..	..	15	..
Atelectasis ..	2	..	..	..	..	..	..	..	..	..	..	2	..
Congenital Malformations ..	1	..	..	..	..	..	..	..	..	..	..	1	..
Old Age ..	..	..	..	..	..	..	..	..	8	32	24	64	..
	18	..	..	..	..	..	..	..	8	32	24	82	..
VI.—LOCAL DISEASES.													
1.—Disease of the Nervous System.													
Inflammation of Brain or Membranes ..	2	2	1	..	..	..	..	..	..	..	..	5	..
Apoplexy, Softening of Brain, Hemiplegia	..	..	..	..	..	..	..	..	..	..	..	..	..
Brain Paralysis ..	..	..	..	..	..	2	9	3	13	8	2	44	7
Insanity, General Paralysis of the Insane	..	..	..	..	..	..	..	..	..	..	..	..	..
Epilepsy ..	..	..	..	1	..	1	..	..	..	..	..	3	1
Convulsions ..	14	1	..	..	..	..	..	..	..	..	..	15	..
Laryngismus Stridulus (Spasm of Glottis)	1	..	..	..	..	..	..	..	..	..	..	1	..
Disease of Spinal Cord, Paraplegia,	..	..	..	..	..	..	..	..	..	..	..	..	..
Paralysis Agitans ..	..	..	..	..	..	..	..	1	1	..	..	3	1
Other Diseases of Nervous System ...	..	..	..	1	..	..	1	..	..	..	..	2	..
	17	3	1	2	..	3	10	4	14	8	2	73	9

TABLE VIII.--Continued.

	AGES.											Totals.	55 to 60
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 upwards		
2.— <i>Diseases of Organs of Special Sense</i> (<i>e.g.</i> , of Ear, Eye, Nose)												..	..
3.— <i>Diseases of Circulatory System.</i>													
Pericarditis ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute Endocarditis ... ..	..	..	1	1	..	1	..	..	1	..	..	4	..
Valvular Diseases of Heart	..	..	2	2	..	1	4	4	6	2	1	25	3
Other Diseases of Heart ...	..	..	..	1	3	3	7	3	20	9	1	53	6
Aneurism ... ..	..	..	..	..	..	..	2	..	..	..	..	2	..
Embolism, Thrombosis ...	..	..	..	..	..	..	1	..	..	..	..	1	..
Other Diseases of Blood Vessels	..	..	..	..	1	1	..	5	1	2	..	10	..
	..	..	3	4	4	6	14	12	28	13	2	95	9
4.— <i>Diseases of Respiratory System.</i>													
Laryngitis ... ..	..	2	..	..	..	..	..	..	..	..	..	2	..
Croup ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Emphysema, Asthma ... ..	..	..	..	..	..	..	..	..	3	..	..	4	1
Bronchitis	16	5	..	..	1	1	2	3	9	13	3	55	2
Pneumonia	16	12	..	3	5	5	5	3	4	7	2	64	2
Pleurisy ... ..	..	..	..	..	..	1	1	..	..	..	..	2	..
Other Diseases of Respiratory System	1	..	..	..	..	1	1	..	..	1	..	6	2
Influenza ... ..	..	..	..	..	3	3	..	1	2	3	..	12	..
	33	19	..	3	9	11	9	7	18	24	5	145	7
5.— <i>Diseases of Digestive System.</i>													
Dentition ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sore Throat, Quinsy ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Stomach	2	..	..	1	..	..	1	1	1	..	..	7	1
Enteritis	5	2	1	..	..	..	..	..	..	..	..	8	..
Obstructive Diseases of Intestine	2	..	..	..	2	1	1	1	6	..	..	14	1
Peritonitis ... ..	..	..	1	..	..	..	..	..	..	1	..	2	..
Ascites ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cirrhosis of Liver ... ..	..	..	..	..	..	..	5	..	1	2	..	10	2
Jaundice and other Diseases of Liver	3	..	..	..	..	..	1	..	2	..	..	6	..
Other Diseases of Digestive System	1	..	..	1	..	1	2	1	..	..	..	7	1
Appendicitis ... ..	..	..	1	2	..	1	..	..	2	..	..	6	..
	13	2	3	4	2	3	10	3	12	3	..	60	5
6.— <i>Diseases of Lymphatic System.</i> (<i>e.g.</i> , of Lymphatics and of Spleen) ..													
7.— <i>Diseases of Gland-like Organs of Uncertain Use</i>													
(<i>e.g.</i> , Bronchocele, Addison's Disease)	..	..	..	..	2	1	1	..	..	..	..	4	..
	..	..	..	..	2	1	1	..	..	..	..	4	..

TABLE VIII.—Continued.

		AGES.											Totals.	55 to 60
		0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 upwards		
8.—Diseases of Urinary System.														
Nephritis	...	...	...	...	...	...	2	...	1	1	...	7	3
Bright's Disease, Albuminuria	...	...	2	...	...	2	...	2	3	1	...	14	4
Disease of Bladder or of Prostate	...	...	...	...	...	...	1	...	2	...	2	5	...
Other Diseases of the Urinary System	...	...	...	...	1	1	2	3	...	...	2	9	...
		2	...	1	3	5	5	6	2	4	35	7
9.—Diseases of Reproductive System.														
(A). Organs of Generation.														
Male Organs	...	...	...	...	...	...	...	...	...	...	...	...	...
Female Organs	...	...	...	...	...	...	3	1	...	...	...	5	1
		...	...	...	...	...	3	1	...	...	...	5	1
(B). Of Parturition.														
Abortion, Miscarriage	...	...	...	...	1	...	...	...	...	...	...	1	...
Puerperal Convulsions	...	...	...	...	...	1	...	...	...	...	...	1	...
Placenta prævia, Flooding	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Accidents of Child Birth	...	...	...	...	...	1	...	...	...	...	...	1	...
		...	...	...	1	2	...	...	...	...	...	3	...
10.—Diseases of Bones and Joints.														
Caries, Necrosis	...	...	...	...	...	...	...	...	...	...	...	...	...
Arthritis, Ostitis Periostitis	...	...	...	...	...	...	1	...	1	...	...	2	...
Other Diseases of Bones and Joints	...	...	2	...	...	...	...	...	...	...	...	3	1
		...	...	2	...	...	1	...	1	...	...	5	1
11.—Diseases of Integumentary System.														
Carbuncle, Phlegmon	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Integumentary System	...	3	...	...	...	...	...	...	2	...	...	5	...
		3	...	...	...	...	...	...	2	...	...	5	...
VII.—DEATHS FROM VIOLENCE.														
1.—Accident or Negligence.														
Fractures and Contusions	...	...	1	...	...	...	1	...	1	3	...	7	1
Gunshot Wounds	...	...	...	...	...	...	...	...	...	...	...	...	...
Cut. Stab	...	...	...	...	1	...	...	...	...	...	...	1	...
Burn, Scald	...	...	3	1	...	...	...	...	...	1	...	6	1
Poison	...	...	...	1	...	...	...	...	...	...	...	2	1
Drowning	...	...	...	...	...	...	...	...	...	...	...	...	...
Suffocation	...	...	...	...	1	...	...	...	...	...	...	7	...
Otherwise	...	...	1	...	...	...	1	...	1	...	1	4	...
		6	4	3	...	2	...	2	...	2	4	1	27	3

TABLE VIII.—Continued.

				AGES.											Totals	55 to 60
				0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 upwards		
2.—Homicide.																
Manslaughter	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Murder	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.—Suicide.																
Gunshot Wounds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cut, Stab	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..
Poison	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..
Drowning	..	..	..	..	..	..	2	1	2	..	..	1	..	..	6	..
Hanging	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Otherwise	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4—Execution.				..	..	..	1	2	1	4	1	..	1	..	10	..
Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
VIII —DEATHS FROM ILL- DEFINED AND NOT SPECIFIED CAUSES.																
Dropsy	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..
Debility, Atrophy, Inanition	..	..	..	29	1	..	..	..	..	..	..	..	..	..	30	..
Mortification	..	..	..	..	..	..	..	..	..	..	1	3	..	..	4	..
Tumour	..	..	..	..	..	..	..	1	..	..	1	1	..	..	4	1
Abscess	..	..	..	1	..	..	..	1	..	..	..	..	..	..	2	..
Hæmorrhage	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sudden Death (cause not ascertained)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Causes not Specified or Ill-defined	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				30	1	..	..	2	..	..	2	5	..	..	41	1

Sanitary Inspector's Report.

GENTLEMEN,

I have again the honour of submitting for your consideration a Report on the work done by the Sanitary Inspectors during the year 1908.

The work has again been of a most varied character, and the general sanitary condition of the City continues to improve ; this is indicated by the decrease in the general and zymotic death rates.

The number of cases of Infectious Disease notified to the Medical Officer was practically the same as last year, but the investigation of these cases calls for considerable more time to be spent in this work.

The present year is a record one so far as Typhoid Fever is concerned, there being no death registered as due to this disease. This is the first time for the past twenty-five years.

We have again received valuable assistance from the Clerk and Officers of the Education Authority, and the Masters and Mistresses of the various schools in the detection of Infectious Diseases.

HEALTH VISITOR.

Miss Weaver's work during the past year has more than ever confirmed my opinion that the services of a thoroughly qualified Health Visitor are essential to the staff of a well organised Health Department.

I am pleased to say that her work is appreciated by those with whom she is brought in contact, and the reduction in the Infantile Mortality is, I have no doubt, in some measure due to her efforts.

During the past year she has paid 2,721 visits with regard to the care of Infants, 43 visits to cases of Phthisis, 4 visits to cases of Puerperal Fever, and 57 visits from other causes.

PUBLIC ABATTOIR AND PRIVATE SLAUGHTER- HOUSES.

The nine (registered) private Slaughter-houses have been kept under close supervision, and there has been no difficulty in keeping them in accordance with the Bye-laws. The work

in connection with the inspection of meat is becoming more and more, and I find that a considerable portion of my time is taken up in this direction. Several of the occupiers of private Slaughter-houses making it a practice to call me in whenever there is the slightest abnormal sign in the carcase or internal organs, and I am pleased to say that in all cases my opinion has been accepted.

Mr. Tucker, the Caretaker at the Public Abattoir, has again been most vigilant in his duty, and has kept me informed of all doubtful cases which came under his observation.

During the year seven carcases of bullocks were seized at the Public Abattoir on account of Generalised Tuberculosis and condemned. From the number of bullocks killed I find that the number condemned on account of Generalised Tuberculosis works out to just over three per thousand, taking into consideration the age and class of some of the beasts this is very low.

It is only fair to say that in no case has any of the carcases seized been emaciated, while on the other hand many have been of excellent quality, and apparently in the best of condition.

I wish that some system similar to that which is carried out in Germany where meat of this class is cooked under Government supervision, and sold at a special stall called a Freibank, could be adopted in England. Special precautions are taken in the sale of the meat, whether the sale takes place at the abattoir or at a shop in the city, a notice must be clearly written over the place as to the class of meat sold. Such meat must not be purchased by butchers or restaurant proprietors.

At first the Authorities were doubtful whether there would be any public demand for such meat, but experience has proved there is, and now the demand is greater than the supply.

The following figures will show the number of animals slaughtered at the Public Abattoir, and the fees earned during the year 1908 :—

	Numbers		Fees		
	Slaughtered.		Earned.		
Bullocks	...	2,185	...	£109	5 0
Calves	...	758	...	12	12 8
Sheep	...	5,535	...	46	2 6
Pigs	...	2,042	...	51	1 0
Total	...	10,520	...	£219	1 2

The charges for the use of the premises for slaughtering are :—Bullock, 1s ; Pig, 6d ; Calf, 4d ; Sheep, 2d.

DRAIN TESTING AND IMPROVEMENT IN HOUSE DRAINAGE.

During the year the drainage of 434 houses has been tested with the "water test" and 442 with the 'smoke test.' I find that the regulation for the testing of drains, where there is no complaint of a nuisance, works extremely well, and that intending tenants have no difficulty in obtaining the consent of the owner for this to be done by an Officer of the Health Department.

NEW BUILDINGS.

During the year there have been 387 New Buildings in course of erection, divided as follows :—

Dwelling-houses	379
-----------------	-----	-----	-----

Buildings of the Warehouse Class	8
----------------------------------	-----	-----	---

Of these 249 Dwelling-houses and 6 of the Warehouse Class were completed, and certified to the City Surveyor as in accordance with the Bye-laws, and fit for habitation.

UNSOUND MEAT, VEGETABLES, &c.

Particular attention has again been given to the inspection of all kinds of food, and to the premises where such is prepared. There have been 34 seizures of unsound food. This includes 30 carcasses and 6 parts of carcasses. Eleven of the carcasses seized were condemned on account of Generalised Tuberculosis, and consisted of the carcasses of 8 cows, 1 steer, and 2 pigs.

SUMMARY OF UNSOUND FOOD.

Summary of Unsound Food Seized and Proceedings taken
during the Year 1908.

No.	NATURE OF SEIZURE.	CAUSE OF SEIZURE.	RESULT.	PROCEEDINGS TAKEN AND RESULT.
1	Carcase of a Sheep ..	Abscesses in Lungs	Condemned	Destroyed
2	Carcase of a Sheep ..	Abscesses in Lungs	Condemned	Destroyed
3	Carcase of a Cow ..	Generalised Tuberculosis	Condemned	Destroyed
4	Carcase of a Cow ..	Generalised Tuberculosis	Condemned	Destroyed
5	Carcase of a Pig ..	Kidney Disease	Condemned	Destroyed
6	Carcases of 2 Pigs ..	Generalised Tuberculosis	Condemned	Destroyed
7	Carcase of a Sheep ..	Diseased Liver and Lungs and Emaciated	Condemned	Destroyed
8	Carcase of a Sheep ..	Lung Disease	Condemned	Destroyed.
9	Carcase of a Cow ..	Generalised Tuberculosis	Condemned	Destroyed.
10	Carcase of a Pig ..	Urticaria	Condemned	Destroyed
11	Carcase of a Sheep ..	Pneumonia	Condemned	Destroyed
12	Carcases of 2 Sheep ..	Liver Flukes and Emaciated	Condemned	Destroyed
13	Carcase of a Cow ..	Unwholesome, Accident	Condemned	Destroyed
14	Carcase of a Cow ..	Generalised Tuberculosis	Condemned	Destroyed
15	Carcase of a Heifer ..	Generalised Tuberculosis	Condemned	Destroyed
16	Carcase of a Calf ..	Kidney Disease and Dropsy	Condemned	Destroyed
17	Carcase of a Lamb ..	Pleurisy	Condemned	Destroyed.
18	Carcase of a Cow ..	Generalised Tuberculosis	Condemned	Destroyed
19	Carcase of a Cow ..	Generalised Tuberculosis	Condemned	Destroyed
20	Portions of the Carcase of Cow ..	Bruised, having been knocked down by a train	Surrendered	Destroyed
21	Carcase of a Sheep ..	Inflammation	Condemned	Destroyed
22	Carcase of a Lamb ..	Emaciated	Condemned	Destroyed
23	Carcase of a Sheep ..	Lung Disease	Condemned	Destroyed
24	Carcase of a Cow ..	Generalised Tuberculosis	Condemned	Destroyed

SUMMARY OF UNSOUND FOOD—Continued.

No	NATURE OF SEIZURE.	CAUSE OF SEIZURE.	RESULT.	PROCEEDINGS TAKEN AND RESULT.
25	Three-Quarters of the Carcase of a Bull	Quarter Evil	Condemned	Destroyed
26	Carcase of a Cow	Generalised Tuberculosis	Condemned	Destroyed
27	Carcase of a Ram	Slaughtered when Moribund	Condemned	Destroyed
28	Carcase of a Steer	Generalised Tuberculosis	Condemned	Destroyed
29	Carcase of a Pig	Fever	Condemned	Destroyed
30	Carcase of a Cow	Diseased Liver and Peritoneal Inflammation	Condemned	Destroyed
31	Seven Sheep's Livers.. ..	Coccidia	Surrendered	Destroyed
32	Lungs and Tongue of a Cow ..	Tuberculosis	Surrendered	Destroyed
33	Left Fore Quarter of the Carcase of a Cow	Localised Tuberculosis	Condemned	Destroyed
34	Two Legs of Mutton	Sheep had been worried by dogs	Surrendered	Destroyed

FOOD AND DRUGS ACTS.

One hundred and seventy samples have been purchased for analysis. Of this number 17 were certified as adulterated. Special attention has again been given to the use of Preservatives, and in no case was any detected in the samples of Milk submitted for analysis.

The average quality of the milk supplied in the City is considerably above the standard required by the Board of Agriculture.

Every precaution has been taken to prevent the object of the purchase being known.

During the early part of the year we had considerable trouble with a man who, we knew, was purchasing large quantities of Margarine and selling same as best Devonshire Butter. I obtained several informal samples what had been sold to customers, which, upon analysis, proved to consist entirely of Margarine ; at last I was able to catch him selling, and took two samples, one of which consisted of genuine Butter and the other entirely of Margarine. He was summoned and convicted to four months' imprisonment. After the service of the summons he left the City, and although the Police took considerable trouble to find him, nothing was heard of him for some time, and then he was in

custody at West Bromwich charged with a similar offence. He was there sentenced to a term of imprisonment, and after serving his time was brought back to Exeter and sent to Prison

BAKEHOUSES.

The 55 Bakehouses within the City have been twice inspected during the year, and with the exception of not limewashing and cleansing the walls within the time prescribed by the Act have been kept in a fairly satisfactory condition.

COWSHEDS, DAIRIES, AND MILKSHOPS.

We have now 18 Cowkeepers, 31 Dairies, and 88 Purveyors of Milk on our Registers. The Dairies are kept in a clean condition and in accordance with the Regulations.

Many of the Purveyors of Milk are general shopkeepers, and the milk is kept in the shop with all sorts of other commodities. I trust that the new Milk Bill will deal with this matter and limit the places where milk can be sold.

Particular attention has been given to the Cowsheds in the outlying parts of the City, with the result that the owners have been made to spend considerable sums of money to put them in decent order. The three cowsheds mentioned in my last Report have been re-built on model lines, allowing 800 cubic feet of space and 60 cubic feet of floor space per cow.

Considerable attention has been given to the lighting and draining of these sheds, and from the experience gained I find to sufficiently light the sheds the windows require to be $\frac{1}{18}$ of the floor space, and for drainage a gutter two feet wide, and at least six inches deep, discharging over a trapped gully outside the shed give the best result.

FACTORIES AND WORKSHOPS.

During the past year 640 visits have been made in the inspection of Factories and Workshops. Particular attention has been given to Outworkers' Premises. Defects were found in 96 cases and remedied.

HOUSING OF THE WORKING CLASSES.

No premises have been closed during the past year, but the policy of insisting on the improvement of slum property has been carried out. I must reiterate what I said in my Report of last year that I sincerely wish that some attempt could be made for providing housing accommodation for the poorer class of the community, particularly the man who is earning from fifteen to twenty shillings a week.

There are plenty of houses in Exeter for the Artizan Class, but until accommodation with proper supervision for the poorer classes is provided, it will be impossible to do away with the slums.

LEGAL PROCEEDINGS.

In no case has it been necessary to take legal proceedings for the abatement of nuisances. The 15 cases which had to be taken before the Magistrates were in connection with Adulteration and Unsound Food. Fines were imposed in 10 cases, ranging from £20 to 2/6 ; for the other five cases a sentence of four months' imprisonment was imposed.

I append a Summary of Work done during the year.

In conclusion, I beg to thank the Chairman and Members of the Sanitary Committee for the interest and support they have given me in carrying out my duties.

My thanks are again due to the Town Clerk, the Medical Officers of Health, Surveyor, and other Officials, for their assistance, and particularly to the Members of my own Staff for their loyal support and hearty co-operation.

I have the honour to be,

Gentlemen,

Your obedient Servant,

W. J. WREFORD.

REPORT

OF THE

SANITARY WORK COMPLETED IN THE YEAR 1908.

Complaints Received during the Year	...	...	259
Houses, Rooms, and Works Inspected	...	...	9390
Re-Inspection of Houses and Rooms	...	...	4256
Houses, Premises, &c., Cleansed, Repaired, and Limewashed			86
Notices Requiring Registration of Houses Let in Lodgings			111
Passages Cleansed and Limewashed	...	...	—
Drains Repaired, Trapped, and Ventilated...		...	48
Drains Relaid with Socketted Pipes, properly Trapped and Ventilated	...	...	118
Notices to Reconstruct Single Private Drains		...	8
Drains Tested with Smoke Test	...	...	442

Drains Tested with Water Test (including those of New Houses)	..	...	...	434
Water Closets Repaired and Limewashed	...	...	...	110
Flushing of Water Closets Improved	...	...	...	33
Urinals Repaired	...	...	...	1
New Water Closets provided	...	...	...	9
Windows provided to Water Closets	...	...	...	26
New Scullery Sinks provided	...	...	...	27
Removal of Accumulation of Dung, Stagnant Water, Animals, and Refuse	...	...	...	22
Dung Pits Re-modelled	...	...	...	3
Ashbins provided	...	...	...	1
Court Yards and Floors Repaired and Re-paved in Cement Concrete	...	...	...	79
Soil Pipes Repaired and Ventilated	...	...	...	41
Defective Bell and D Traps replaced by Stoneware Gullies	...	...	...	20
Waste Pipes Discharged into Stoneware Gullies and Trapped	...	...	...	56
Gully Traps provided	...	...	...	5
Slaughter Houses Cleansed and Limewashed twice	...	...	...	9
Notices for Abatement of Overcrowding	...	...	...	3
Visits to Slaughter Houses	...	...	...	450
Notices under the Working Classes Act	...	...	...	—

Notices served for Drains to be Opened Up	...	8
Notices served for Defective Eaves Gutters, and Rain-water Pipes	... ..	47
Notices requiring Water Closets to be Cleansed	...	44
Drains Unchoked	... ..	52
Rooms Disinfected after Illness of an Infectious character		228
Articles of Clothing Disinfected	... ..	6510
Samples taken for Analysis	... ..	170
Inspection of Cowsheds	... ..	46
Inspection of Dairies and Milkshops	... ..	130
Notices of Infectious Sickness to Managers of Schools, existing in Houses from which Scholars were attending	... ..	104
Notices to Education Authority	... ..	73
Notices to Librarian of Exeter Free Library	...	74
Orders for Destruction of Unsound Meat, Fish, Fruit, &c.	... ..	30
Unsound Meat Surrendered	... ..	4
Carcases Destroyed as Unfit for Food	... ..	30
Meat, Fish, Fruit, &c., Destroyed (in lots)	...	6
Factory and Workshops Acts :—		
Inspection of Workshops	... ..	548
Inspection of Factories	... ..	74

Inspection of Homeworkers' Premises	...	50
Inspection of Workplaces	... ..	18
Inspection of Bakehouses, included in above	...	129
Notices to Limewash Bakehouses	... ..	13
Bakehouses Limewashed (twice)	... ..	55
Alterations to Drain in Bakehouse...	...	1
Premises Repaired	... ..	1
Drains Relaid with Socketted Pipes, properly Trapped and Ventilated	... ..	3
Drains Repaired	... ..	1
Water Closets Re-constructed	... ..	1
Notices to provide Additional Water Closets	...	4
Water Closets Repaired ..	... ..	4
Flushing of Water Closets Improved	..	4
Notices requiring Water Closets to be Cleansed		4
Floors Repaved and Repaired	... ..	3
Soil Pipes Repaired and Ventilated	...	4
Defective Bell and D Traps replaced by Stoneware Gullies	... ..	4
Waste Pipes Discharged into Stoneware Gullies and Trapped	... ..	6
Notices served for Defective Eaves Gutters, and Rain-water Pipes	... ..	1

Notices to provide Ventilation	...	...	1
Notices to Abate Overcrowding	...	...	9
Notices to Limewash	...	...	35
Removal of Accumulation of Dung, Stagnant Water, Animals, and Refuse	...	...	1
Notices Requiring Lists of Outworkers to be sent in	...	...	65
Cases of Infectious Disease Notified in Home- workers' Premises	...	...	3
Allowing Wearing Apparel to be in Premises Infected by Scarlet Fever (cases removed)...			3
Notices sent to Employers of Infectious Disease at Home of Employees	...	...	3

CHART 1 SHEWING WEEKLY NOTIFICATIONS OF SCARLET FEVER, DIPHTHERIA AND TYPHOID FEVER.

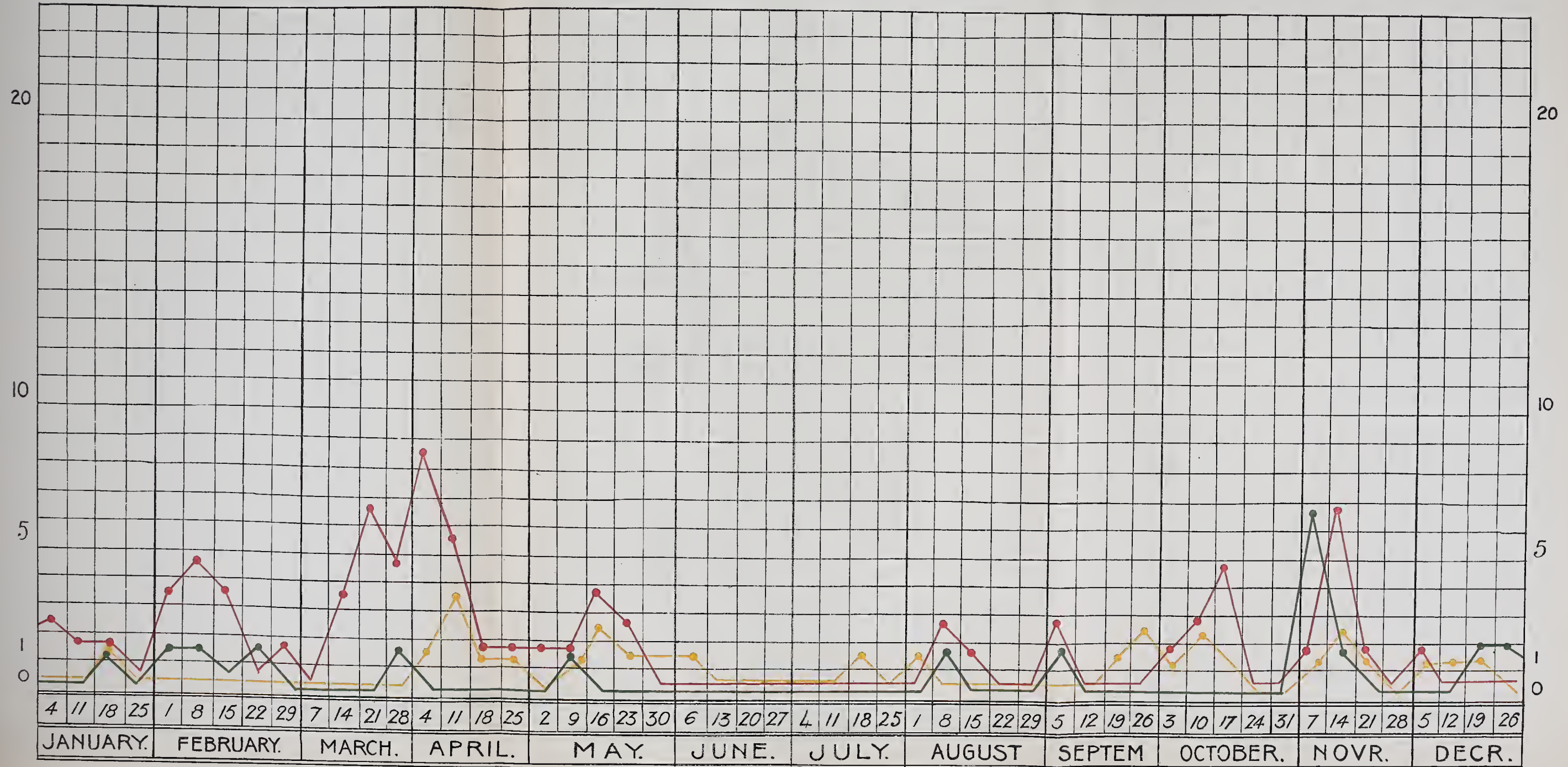
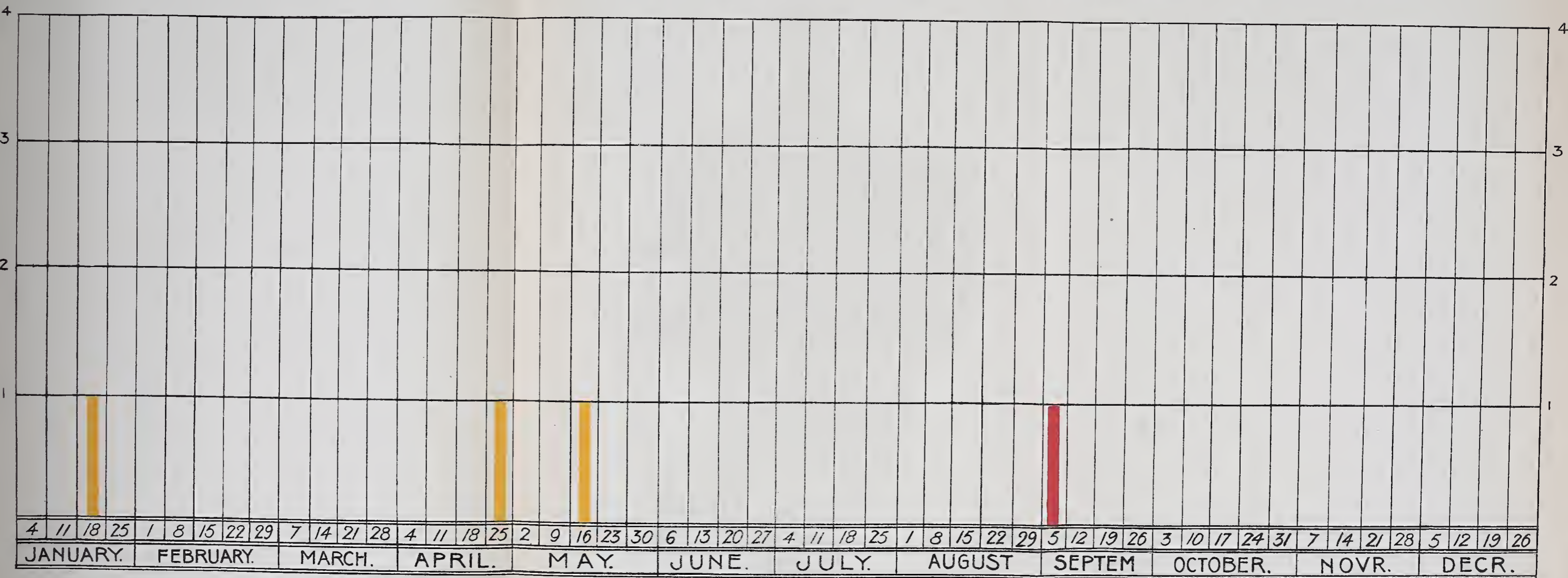


CHART 2 SHEWING WEEKLY MORTALITY
FROM
SCARLET FEVER, DIPHTHERIA AND TYPHOID FEVER.



SCARLET FEVER. DIPHTHERIA TYPHOID FEVER.



CITY & COUNTY OF THE CITY OF EXETER.

SHOWING LOCALITIES WHERE FATAL CASES
HAVE OCCURRED FROM PRINCIPAL ZYMOTIC
DISEASES DURING 1908.

- Scarlet Fever
- Diphtheria
- Typhoid Fever



SCALE.



